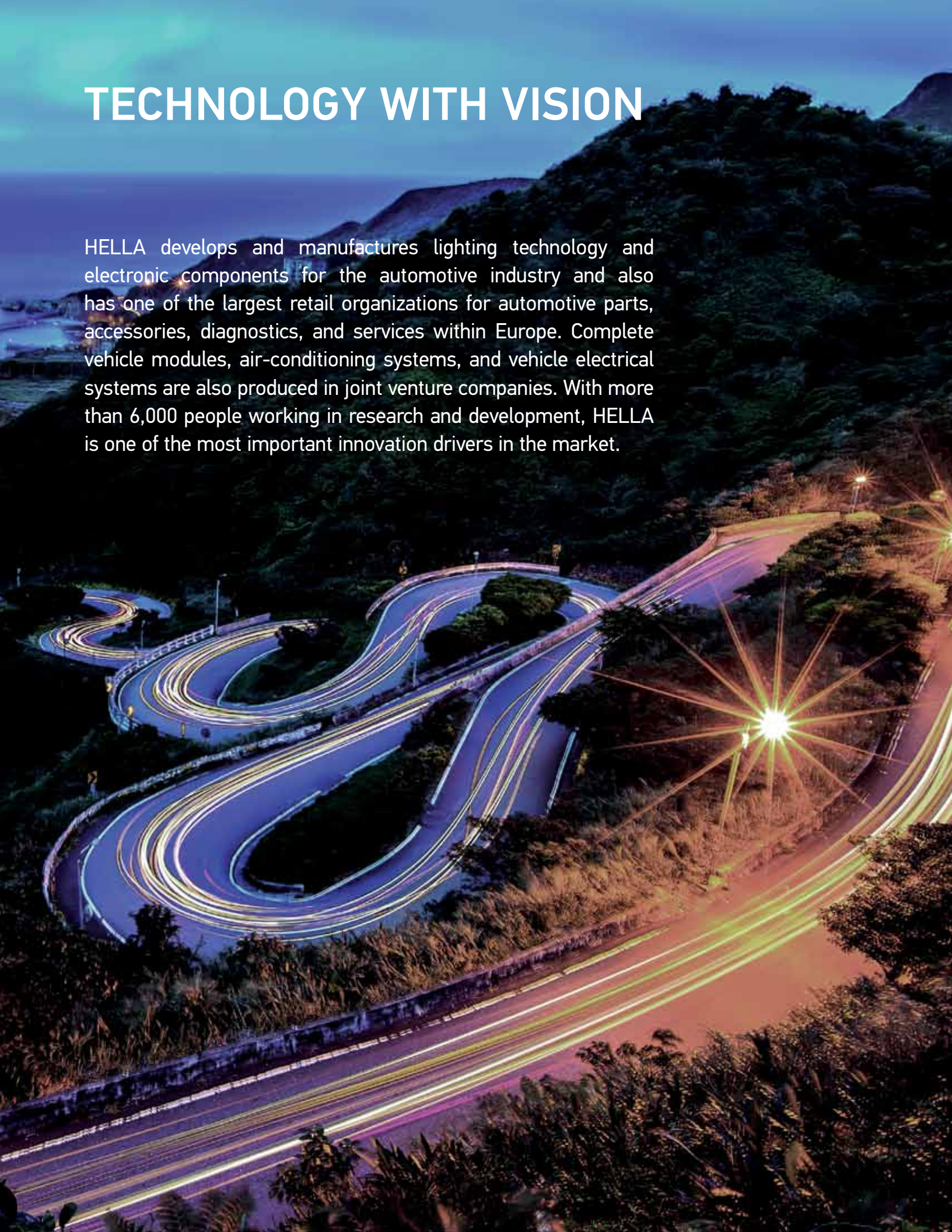HELLA

Technology with Vision

2016 HELLA
ACCESSORY GUIDE

TECHNOLOGY WITH VISION

HELLA develops and manufactures lighting technology and electronic components for the automotive industry and also has one of the largest retail organizations for automotive parts, accessories, diagnostics, and services within Europe. Complete vehicle modules, air-conditioning systems, and vehicle electrical systems are also produced in joint venture companies. With more than 6,000 people working in research and development, HELLA is one of the most important innovation drivers in the market.
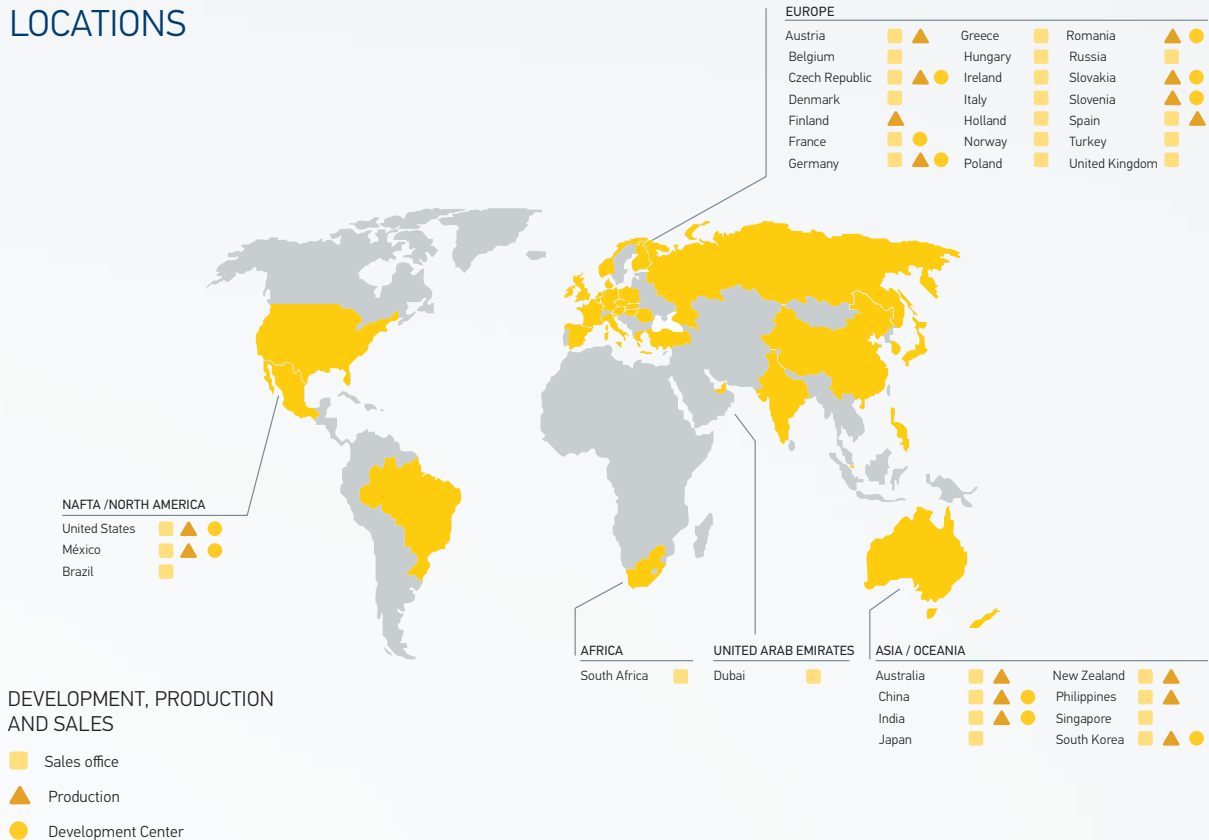
CONTENTS

HELLA GROUP

The **HELLA KGaA Hueck & Co.** is a global, family-controlled company with more than 30,700 employees at 100 locations and in more than 35 countries. HELLA develops and produces electronic components and lighting for the automotive market.

HELLA, Inc. is the HELLA sales and distribution company serving North and South America. We are a world-class supplier to the automotive aftermarket, marine, and heavy-duty accounts. HELLA, Inc. is also the primary marketing arm of HELLA and Behr Hella Service in North and South America. Marketing activities include print media, online support, trade shows, and motorsports activities. With experience as an original equipment supplier and knowledge in the European aftermarket, for over 25 years HELLA, Inc. has been offering German engineering with pride to North and South America.
www.hellausa.com

LOCATIONS

EUROPE

Austria	■ ▲	Greece	■	Romania	▲ ●
Belgium	■	Hungary	■	Russia	■ ●
Czech Republic	▲ ●	Ireland	■	Slovakia	▲ ●
Denmark	■	Italy	■	Slovenia	▲ ●
Finland	▲	Holland	■	Spain	■ ▲
France	■ ●	Norway	■	Turkey	■
Germany	■ ▲ ●	Poland	■	United Kingdom	■

NAFTA /NORTH AMERICA

United States	■ ▲ ●
México	■ ▲ ●
Brazil	■

AFRICA

South Africa	■

UNITED ARAB EMIRATES

Dubai	■

ASIA / OCEANIA

Australia	■ ▲	New Zealand	■ ▲
China	■ ▲ ●	Philippines	■ ▲
India	■ ▲ ●	Singapore	■
Japan	■ ●	South Korea	■ ▲ ●

DEVELOPMENT, PRODUCTION AND SALES

■ Sales office

▲ Production

● Development Center

THE BEST LIGHTING FOR ANY CONDITION

HELLA develops almost indestructible products, such as the Rallye 4000 LED series and LED lightbar specifically for the off-road market. Quality, power and better lighting performance, along with a wide range of products, are already part of the HELLA tradition.

GET MORE FROM HELLA ONLINE

www.myhellalights.com the new website oriented towards the end consumer features LED, Xenon and Halogen auxiliary lamps, daytime running lights, accessories, and bulbs with tons of information and downloads. Get information, features, explanation of technology used, package contents, mounting instructions, diagrams, beam patterns, testing information, accessories lists and more.

www.myhellalights.com

HIGH PERFORMANCE 2.0 BULBS

Click to Learn More!
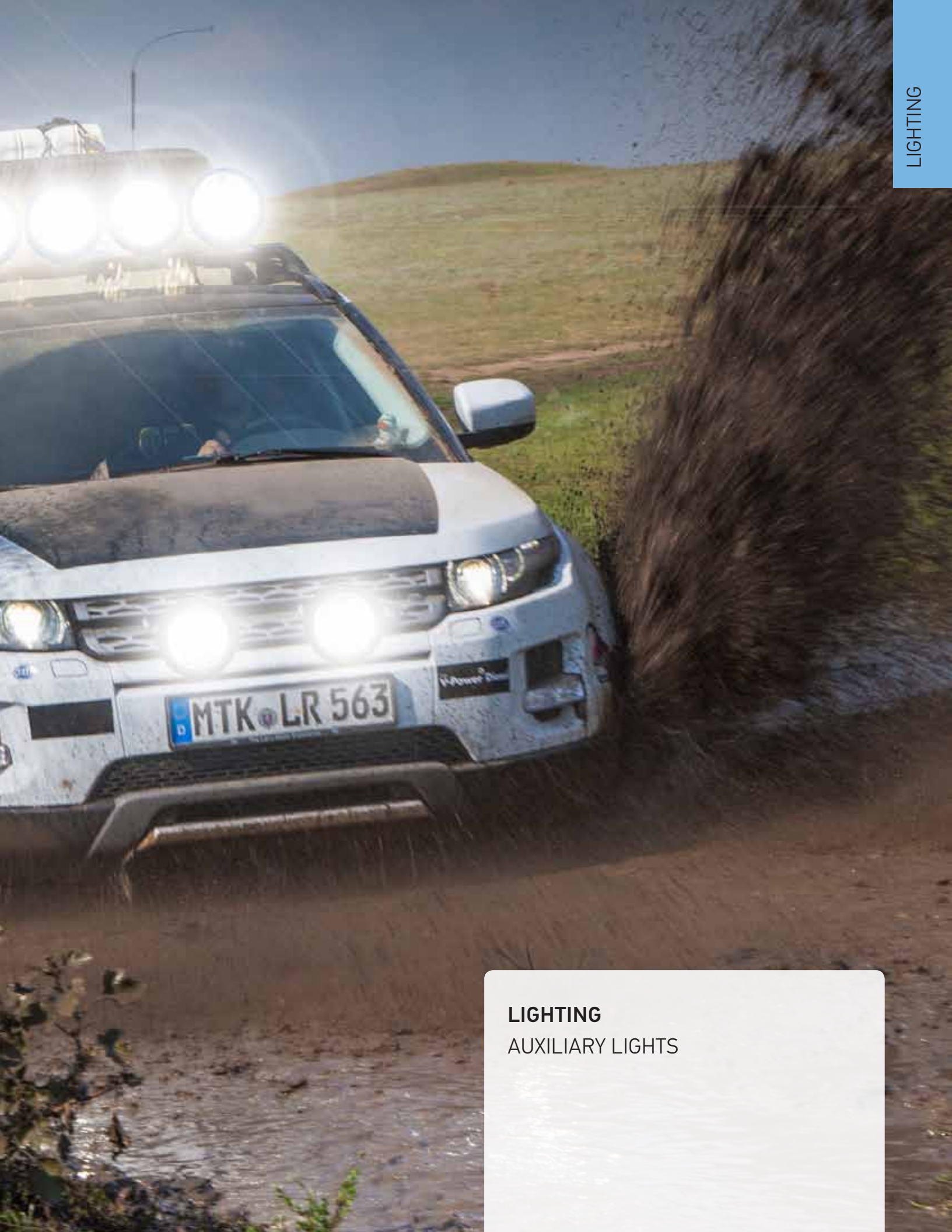
LIGHTING
AUXILIARY LIGHTS

KNOWLEDGE OF LIGHT AND POWER

Innovations from HELLA. With HELLA, you opt for products with uncompromising quality. We work every day to make our lighting solutions even better and safer. As a result of our relentless innovative energy, we are among the first, best and even the sole suppliers or manufacturers in many areas of vehicle and lighting technology. We are currently pleased to be playing a particularly strong pioneering role with our Rallye LED using 100% LED technology.

Research and development. As in the field of stress testing where we test our products on the durability of the material and light source, HELLA headlights undergo continuous quality and performance tests for light distribution and radiation intensity. They are granted approval under the type approval requirements of the EU approval process. Different tasks require different headlights. The result is headlights of the highest quality – perfectly matched to the most diverse requirements under extreme conditions.

RADIATION INTENSITY

LIGHT DISTRIBUTION SHOULD BE CONSIDERED OBJECTIVELY.
Different applications require different auxiliary lights. The Isolux diagrams show a comparison of light distributions. The red-orange colouring marks the area with high illumination intensity. From yellow through green to blue, the illumination intensity decreases depending on distance. Fog light radiation is wide but not over a long distance (to avoid, as far as possible, reflection through fog droplets).

THE LUX UNIT
As a unit of illuminance, Lux defines the luminous flux from a light source that hits a specified surface. For example, an office should be illuminated with at least 500 Lux and with just 1 Lux the human eye can read a newspaper without any problem. The values along the Lux bar show where the respective illuminance is achieved in the light distribution diagrams.

THE HIGH-BOOST REFLECTOR
High-boost reflectors are specially developed by HELLA to provide maximum light output. Compared to standard commercial auxiliary lights of similar size, HELLA auxiliary lights with high-boost reflectors deliver a much higher degree of efficiency with improved light output.

THE "REF." REFERENCE NUMBER
The reference number is a value applicable to spotlights. According to the ECE Regulation in effect since 2009, the sum of the reference numbers of all the insta-lled headlights must not exceed the upper limit of 100 per vehicle. The two values of the standard high beam (left and right main headlights) plus the values of any other extra spotlights are added together. The reference number of HELLA spotlights as well as the E-type approval mark can be found in the catalog for each model. A high beam with a 17.5 reference number emits a wide and full beam, but not as much as a high beam with a 37.5 reference number. A high beam Ref. 37.5 is therefore ideal for long, straight distances, while a high beam Ref. 17.5 can illuminate curved routes (especially mountainous areas) better.

Note: In some countries, a maximum high beam power of only 75 (reference value)

may be connected. In those countries, the high beam integrated into the vehicle must be inoperative when using the Ref. 37.5 high beam; however, the Ref. 17.5 high beam can generally be connected in addition. CELIS® light guides

With CELIS® technology (Central Lighting Systems), fibreglass cables or thin plastic rods transport the light from a central light source to where it is required.

ECE & SAE APPROVALS

ECE Approval: The World Forum of Vehicle Regulations is a working party of the United Nations Economic Commission of Europe (ECE). It is tasked with creating a uniform set of regulations for vehicles, which makes them legal on the streets of participating countries.

SAE Approval: The USA has its own set of standards, which are called the Federal Motor Vehicle Safety Standards (FMVSS), which are based on proposals of the Society of Automotive Engineers (SAE). The USA does not recognize ECE approvals. Canada has its own Canada Motor Vehicle Safety Standards (CMVSS), broadly similar to FMVSS, but Canada does also accept ECE-compliant headlamps
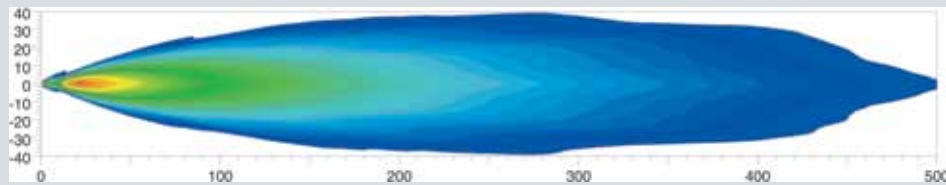
AUXILIARY LIGHTING
Illumination and Isolux diagrams

Using Isolux diagrams, we can illustrate and compare light distributions. The red-orange colour indicates the area of high intensity illumination; the illuminance falls from yellow to green to blue depending on the distance from the light source.
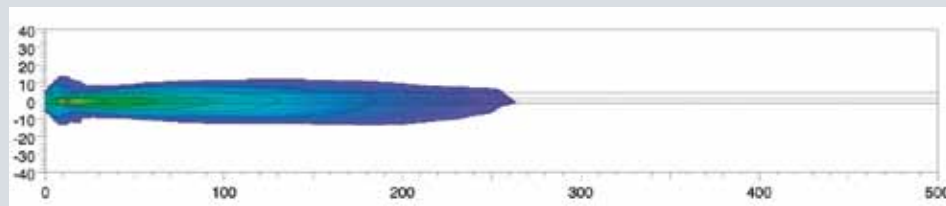
Rallye 4000 LED
with Ref. 40
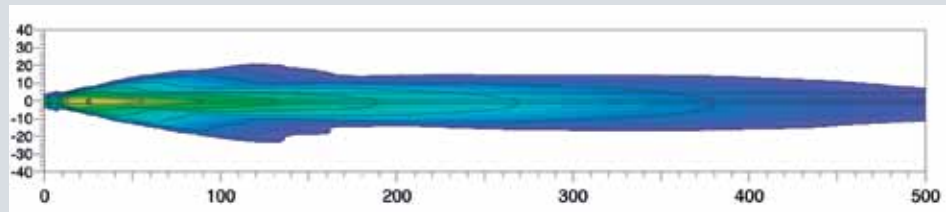
Rallye 40000i Xenon
with Ref. 37.5

Rallye 4000X Halogen
with Ref. 17.5

FOG LAMP
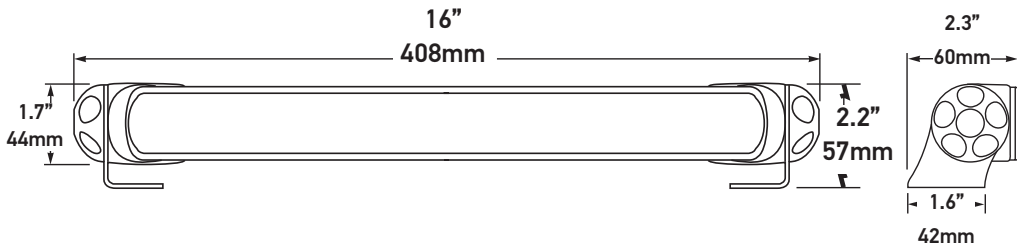
Fog lamp HELLA 500
with Ref. 12.5

2. Lighting

2.1 Auxiliary Lights

LED LIGHT BAR 350

NEW

2016 SEMA
GLOBAL
MEDIA AWARDS
WINNER

16"
408mm

1.7"
44mm

2.2"
57mm

2.3"
60mm

1.6"
42mm

Upright or pendant installation.

Lateral support easy adjustment

The brackets can be installed facing forward or backward.

Features:
- LED compact light bar
- 16" (408mm) long, low profile, and lightweight at only 1.7 pounds (790 g)
- Developed for the special requirements of offroad vehicles and for aerodynamic installation on the roofs of truck cabins
- With 12 intensely bright high-power LEDs
- The rear of the housing is an innovative ribbed design
- Effective heat dissipation from the LED electronics through the housing made of thermoconductive plastic.
- Suitable for horizontal mounting
- Stainless steel mounting brackets allow flexible positioning on the vehicle
- Connection: Wire leads
- Double mounting bracket available (sold separately)
- 1500 Lumens for Driving and Pencil Beam versions
- 2200 Lumens for Wide and Narrow Beam versions (on 'High' setting)
- Two intensity light settings for Wide and Narrow Beam versions (220 Lumens on "Low" setting)
- 12 V / 25 W, 24 V / 25 W (Multivolt)
- Fully sealed and submersible

Mounting:
- Horizontal mounting
- Pendant mounting

Applications:
- Long range
- Off road use (Driving and Pencil beam versions ECE approved)
- Trucks / SUVs / ATVs / UTVs / Off-road vehicles

Part Number	
LED light bar 350 – Driving Beam ECE approved	958040071
LED light bar 350 – Pencil Beam ECE approved	958040081
LED light bar 350 – Wide Beam with dimming function	958040521
LED light bar 350 – Narrow Beam with dimming function	958040641

1 Driving Beam

2 Pencil Beam

3 Wide Beam

4 Narrow Beam

LIGHT DISTRIBUTION:

1 Driving Beam **2** Pencil Beam **3** Wide Beam **4** Narrow Beam
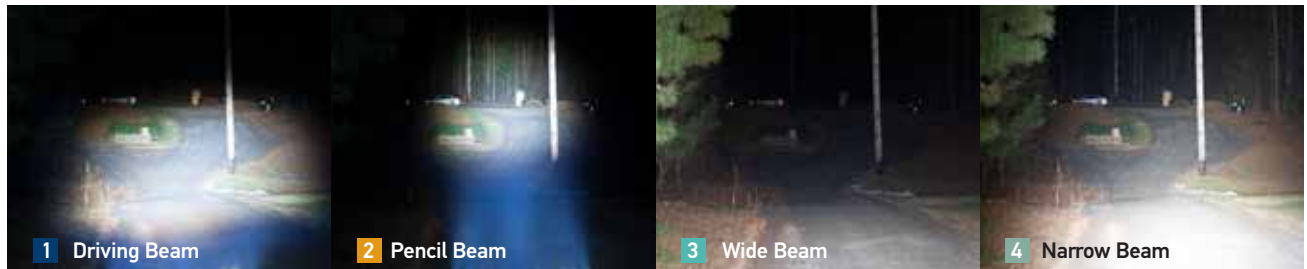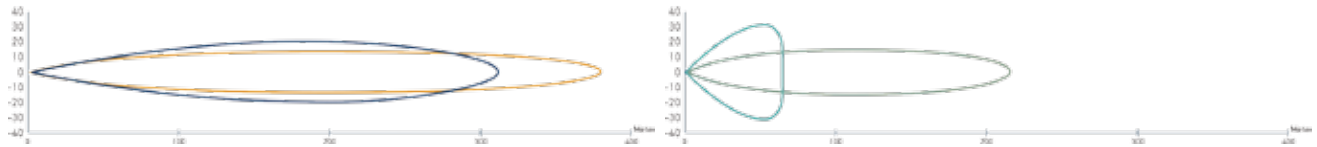
1 Driving Beam   **2** Pencil Beam   **3** Wide Beam   **4** Narrow Beam

NOTE: Untouched photos were taken with vehicle headlights off.

SUPPORT FOR DUAL LED light bar

• Suitable for 2 LED light bars for horizontal mounting

• The brackets allow flexible positioning in the vehicle

2 Pencil Beam
3 Wide Beam

Part Number	
Dual Bracket	**958128811**

Dual side support for attachment to the vehicle.

The brackets allow adjustment of the inclination of the LED light bars

2. Lighting

2.1 LED Auxiliary Lights

RALLYE 4000 LED

5.15"
131

8.74"
222

9.40"
239
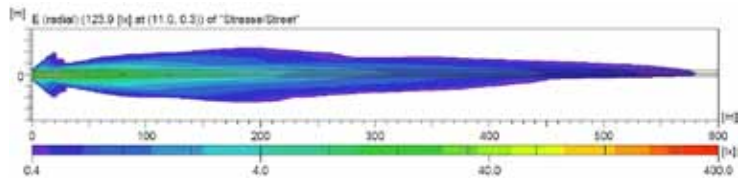
Features:
- Three High performance LED's
- Low power consumption
- Very high lifespan - no bulb change necessary
- 1500 lumens (measured)
- Homogenous and ideal illumination due to computer
  optimized fine tuning of LED light sources and free-form reflector
- Reduces driver fatigue due to the color temperature being close to daylight
- Special blue retaining ring to indicate LED technology
- Multivolt 9 - 32 V DC
- Power Consumption: 30/1W
- 6000°K Color Temperature
- Connection: Wire leads
- Comes with white stone shield
- Sold individually

Mounting:
- Upright mounting
- Pendant mounting

Applications:
- Long range
- Off-road use only

Part Number	
Rallye 4000 LED Driving Light w/Position Light	011002101

RALLYE 4000 COMPACT LED

LED

Features:
- 2 High Performance LEDs
- UV-resistant polycarbonate lens
- Sturdy, high-quality full-metal housing
- Double reflector for an even beam pattern
- Low Power Consumption
- Passive heat dissipation of the LED electronics with cooling ribs
- Very high lifespan - no bulb change necessary
- Reduces driver fatigue
- Compact size
- Adjustable aluminum bracket
- 1500 lumens (measured)
- 6000°K Color Temperature
- Connection : Wire Leads
- Sold Individually
- Comes with White Stone Shield
- Multivolt 9-32 VDC
- 11W

Scan for Video!

Mounting:
- Upright mounting
- Pendant mounting

Applications:
- Off-road use only

Includes:
- 1 Lamp
- 1 Stone Shield
- Mounting Instructions

Part Number
011815041

7.1"
181mm

4.7"
120mm

7.3"
187mm

E (radial) (284.5 [lx] at (1.2, 0.6)) of "Strasse/Street"

| | | | | | | | | [lx] |
| 1.0 | 2.8 | | | | 28.4 | | | 284.5 |

File
13031f1h_iso.IES

Position (x,y,z)
0.600 0.650 0.000 0.00 -0.00 0.00

13031f1h_iso.IES

-0.600 0.650 0.000 0.00 -0.00 0.00

RALLYE 4000 X LED

LED

Features:
- 2 High Performance LEDs
- Sturdy, high-quality aluminum housing
- Double reflector for an even beam pattern
- Dust and waterproof
- Low Power Consumption
- Passive heat dissipation of the LED electronics with cooling ribs
- Very high lifespan - no bulb change necessary
- Reduces driver fatigue
- Compact size
- Die-cast aluminum bracket
- 760 lumens (measured)
- 6000°K Color Temperature
- Connection : Wire Leads
- Sold Individually
- Comes with Black Stone Shield
- Multivolt 10-32 VDC
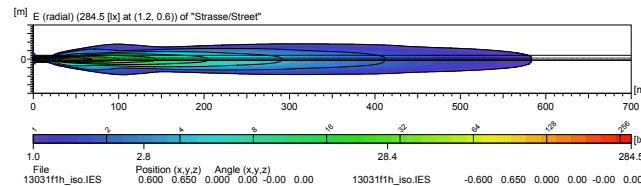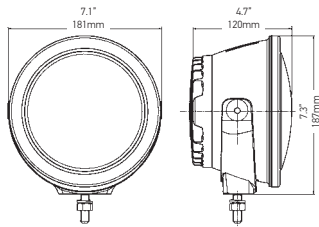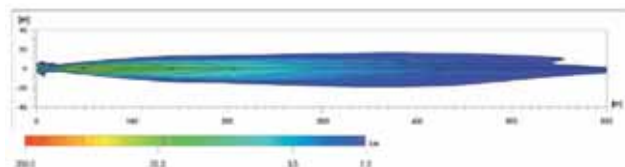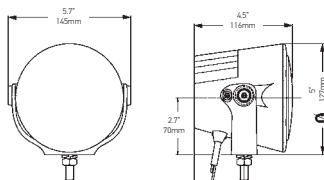- 40W

Mounting:
- Upright mounting
- Pendant mounting

Applications:
- Off-road use only

Includes:
- 1 Lamp
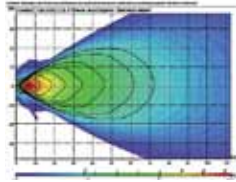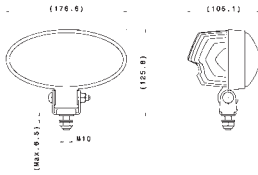- 1 Stone shield
- Mounting Instructions

Part Number
012206021

5.7"
145mm

4.5"
116mm

2.7"
70mm

5"
127mm

2. Lighting

2.1 LED Auxiliary Lights

FF300 LED

LED

Features:
- 10 High Performance LEDs
- Die cast aluminum housing
- 2,000 lumens (measured)
- 5700° K light temperature
- Compact size
- Sold Individually
- Connection: DT connector
- Multivolt 9–33V DC
- 28W

Mounting
- Upright

Applications
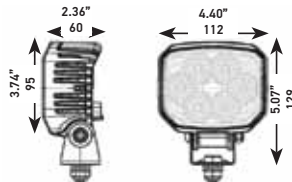- Off-road use only

Includes
- 1 Light

Part Number
H15176401

MICRO FF LED

LED

Features:
- 6 High Performance LEDs
- Stainless steel bracket
- 1300 lumens (measured)
- Aluminum die cast housing
- 6500° K light temperature
- Connection: DT connector
- Sold Individually
- Multivolt 9–33V DC
- 18W

Mounting
- Upright
- Pendant

Applications
- Off-road use only

Includes
- 1 Light
- DT pigtail
- Mounting instructions
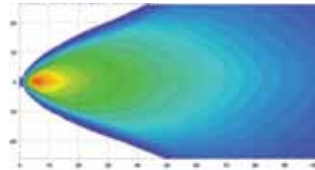
Part Number
H15176301

MICRO 70 LED

LED
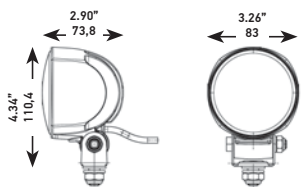
Features:
- 4 High Performance LEDs
- Die cast aluminum housing
- 850 lm (measured)
- Glass lens
- 6500° K light temperature
- Connection: Harness (comes with kit)
- Sold as kit
- Multivolt 9–33V DC
- 15W

Mounting
- Upright

Applications
- Off-road use only

Includes
- 2 Lights
- 1 Wire Harness
- 1 Relay
- 1 Switch
- Mounting Hardware
- Mounting Instructions

Part Number
H15176201

Products subject to change without notice. For more information please visit **www.myhellalights.com**

2. Lighting

2.1 Daytime Running Lights

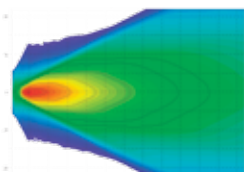### LEDAY LINE 15° & 30° DAYTIME RUNNING LIGHTS

LED

Features:

• High performance LEDs
• Angled to suit curved bumper profile
• Resistant to harsh UV rays
• Low power consumption
• Easy-Fit Installation
• 8 LEDs per Side
• Power Consumption: <2W per Lamp
• Housing Material: Plastic
• Lens Material: High Impact Acrylic
• Connection: Wire Leads
• SAE / ECE approved

Mounting

• Flush

Applications

• Safety in traffic
• High visibility for other drivers
• Universal application

Includes

• 2 Lamps
• 2 Mounting Brackets
• 1 Changeover Relay
• Universal Mounting Hardware
• Mounting Instructions

Part Number
980850801 – 30°
980860801 – 15°

---

3 LED DAYTIME RUNNING LIGHTS

LED

Features:

• Three high performance LEDs
• Attractive, clear-glass design
• Stable aluminum housing
• Trouble-free installation through diverse installation options
• SAE / ECE approved

2.51"
63,8

2.06"
52,3

6.67"
169,3

Mounting

• Upright
• Pendant

Applications

• Safety in traffic
• High visibility for other drivers
• Universal application

Includes

• 2 Lights with Brackets
• 1 Control Unit with Wiring Harness
• Mounting Hardware
• Mounting Instructions

Part Number
009496801

90MM LED DAYTIME RUNNING LIGHTS

LED

Features:

• 3 high performance LEDs
• Attractive, clear-glass design
• Stable plastic housing
• Trouble-free installation through diverse installation options
• SAE / ECE approved

84,5
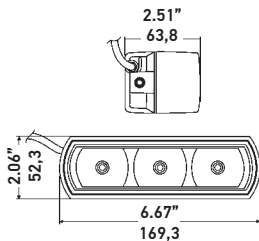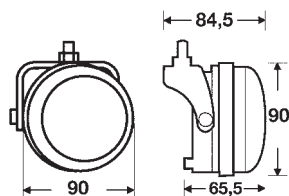**90**
90
65,5

Mounting

• Upright
• Pendant
• Flush

Applications

• Safety in traffic
• High visibility for other drivers
• Universal application

Includes

• 2 Lamps with Brackets
• 1 Control Unit with Wiring Harness
• Mounting Hardware
• Mounting Instructions

Part Number
009599811

2. Lighting

2.1 Daytime Running Lights

LEDAYLINE LED DAYTIME RUNNING LIGHTS

LED

Features:
• Five high performance LEDs
• Attractive, clear-glass design matching current main and auxiliary headlights
• Stable aluminum housing
• SAE/DOT compliant
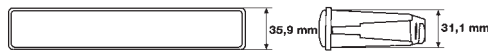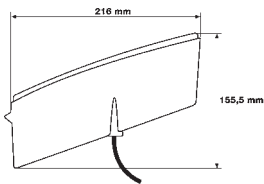• Trouble-free installation through diverse installation options

Mounting
• Flush

Applications
• Universal applications

Includes
• 2 Lits with brackets
• 1 Control unit and wiring harness
• Universal Mounting Hardware
• Mounting Instructions

216 mm
155,5 mm
35,9 mm
31,1 mm

Part Number

010043801

LEDAY FLEX II DAYTIME RUNNING LIGHTS

LED

Features:
• LED daytime running lights set
• Kit can be configured into the fascia of the vehicle
• The individual modules are rectangular and each is approximately 0.7" H x 1.6" W (19mm x 42mm) in size
• Each individual module contains two high-power LEDs with light distribution created by the use of an integrated optical system

Mounting
• Flush

Applications
• Universal applications

Includes
• 2 Module Chains
• 1 Changeover relay for control purposes
• Wiring Harness
• Bracket to screw down modules from above
• Universal Mounting Hardware
• Mounting Instructions

3.2
7.5
19.2
19.0
8.0
45.0°
31.5
15.0
42.0
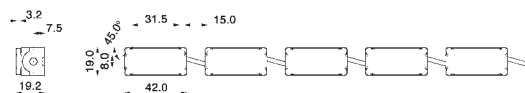
Part Number

980789851 – 5 LED Kit

980789861 – 6 LED Kit

LIGHT MEANS VISIBILITY, EVEN DURING THE DAY

HELLA daytime running lights are the ideal solution for anyone who doesn't want to compromise. For drivers who demand a high level of safety and have a keen sense of individual style.

90 MM LED MODULES

The new L4060 LED series is the new addition to the range of 90 millimeter LED modules. This makes HELLA the only supplier in the market to provide a replacement concept for all 90 millimeter halogen modules using LED technology. The design of the new module is very compact and allows three light functions in one module without additional electronics. The resistant cover plate of polycarbonate and the cast aluminum housing are extremely robust and can withstand even tougher loads. The new L4060 LED series give you more illumination and safety with innovative LED technology.

90 MM CONFIGURATOR

This tool shows you the options for equipping or upgrading a vehicle with 90 mm LED modules. See images from Europe's biggest light testing facility and compare the light distribution of halogen and LED modules, in order to help you make the right choice for your application.
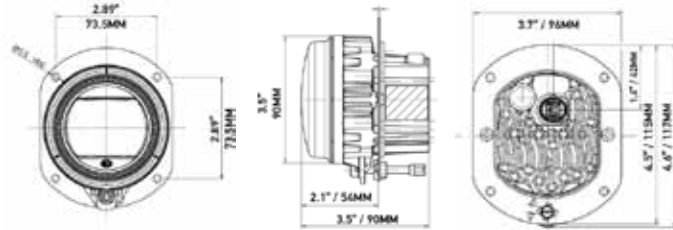
www.hella.com/90mm-modules

2. Lighting

2.2 90 mm LED Modules

LED HIGH BEAM L4060

Pre-mounted carrier frame

LED

Features:
- Module headlight
- Polycarbonate lens
- Sturdy die-cast aluminum housing
- Silver design cover
- SAE / ECE approved
- Intergrated FEP connector
- FEP to DT connector sold separately
  Part# 202117001
- Multivolt 9-33V
- 20W

Mounting
- Flush

Applications
- Universal application
- Retrofit

Includes
- 1 Light
- Mounting Hardware
- Mounting Instructions

Part Number
011988021 – Pre-mounted carrier frame
011988121 – Performance mount

LED HIGH BEAM L4060
W/ DRL & POSITION LIGHT
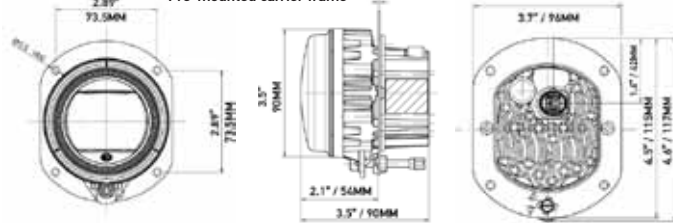
Pre-mounted carrier frame

LED

Features:
- Module headlight
- Polycarbonate lens
- Sturdy die-cast aluminum housing
- Silver design cover
- SAE / ECE approved
- Intergrated FEP connector
- FEP to DT connector sold separately
  Part# 202117001
- Multivolt 9-33V
- 20W

Mounting
- Flush

Applications
- Universal application
- Retrofit

Includes
- 1 Light
- Mounting Hardware
- Mounting Instructions

Part Number
011988031 – Pre-mounted carrier frame
011988131 – Performance mount

LED HIGH BEAM L4060
W/ INDICATOR

LED

Features:
- Module headlight
- Polycarbonate lens
- Sturdy die-cast aluminum housing
- Silver design cover
- SAE / ECE approved (SAE vehicles < 80" only)
- Intergrated FEP connector
- FEP to DT connector sold separately
  Part# 202117001
- Multivolt 9-33V
- 20W

Mounting
- Flush

Applications
- Universal application
- Retrofit

Includes
- 1 Light
- Mounting Hardware
- Mounting Instructions

Part Number
011988071 – Carrier frame without pulse generator

Products subject to change without notice. For more information please visit **www.myhellalights.com**

LED LOW BEAM L4060

LED

Features:
- Module headlight
- Polycarbonate lens
- Sturdy die-cast aluminum housing
- Silver design cover
- Performance mount
- SAE / ECE approved
- Intergrated DT connector
- Multivolt 9-33V
- 20W

Mounting
- Flush

Applications
- Universal application
- Retrofit

Includes
- 1 Light
- Mounting Hardware
- Mounting Instructions
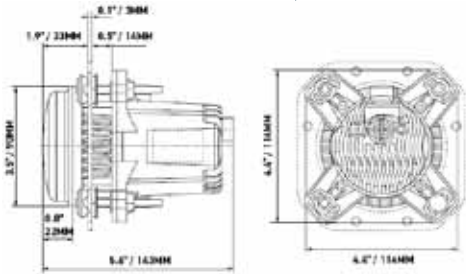
Part Number
012488101
012488121 – with daytime running and position light

LED FOG LIGHT L4060

LED

W/ DRL & POSITION LIGHT

Features:
- Module headlight
- Polycarbonate lens
- Sturdy die-cast aluminum housing
- Silver design cover
- SAE / ECE approved
- Intergrated FEP connector
- FEP to DT connector sold separately
  Part# 202117001
- Multivolt 9-33V
- 20W

Mounting
- Flush

Applications
- Universal application
- Retrofit

Includes
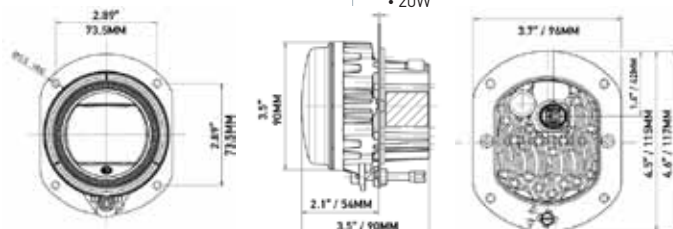- 1 Light
- Mounting Hardware
- Mounting Instructions
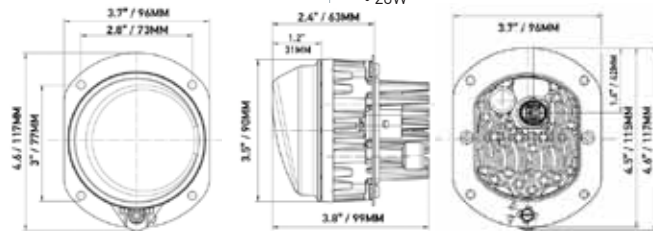
Part Number
011988001 – Pre-mounted carrier frame

FEP to DT Connector

PIN.2
PIN.4
PIN.3
PIN.1

PIN.1
PIN.4
PIN.2
PIN.3
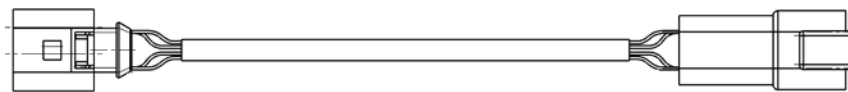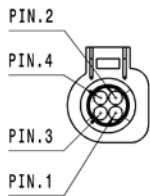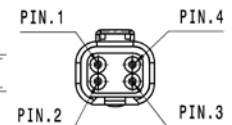
Performance mounting frame

Part Number
169580011 – Performance mounting frame
201022821 – 4-Pin DT Connector Set
202117001 – FEP to DT Connector

2.3 Xenon Auxiliary Lights

RALLYE 4000i XENON

XENON

Features:
- Internal ballast
- Black powder-coated metal housing
- Optics free glass lens for a modern design
- Red retaining ring
- Also available in Euro and Pencil beams
- 12V
- 35W

Mounting
- Upright
- Pendant

Applications
- Off-Road racing
- Extreme terrain
- Long distance night vision

Includes
- 1 Light with Integrated Ballast
- 1 Xenon Capsule
- 1 Stone Shield
- 1 Wiring Harness
- 1 Relay
- Mounting Hardware
- Mounting Instructions

8.76" 222,4
6.02" 153
5.03" 127,7
9.4" 238,8
3.85" 97,8

Part Number
007560771 – Driving Beam
007560761 – Pencil Beam
007560751 – Flood Beam

RALLYE 4000 XENON

XENON
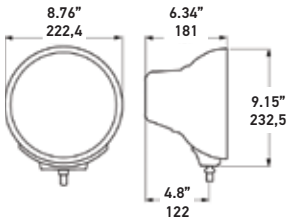
Features:
- Robust, black powder-coated metal housing with red accent ring
- Optimized reflector for more homogenous illumination
- High-quality tempered glass lens
- Knurled adjustment knobs for fast lamp adjustment without special tools
- Generation 3 external mount ballast
- 12V
- 35W

Mounting
- Upright

Applications
- Off-Road racing
- Extreme terrain
- Long distance night vision

Includes
- 1 Light
- 1 Xenon Capsule
- 1 Xenon Ballast
- 1 Stone Shield
- 1 Wiring Harness
- 1 Relay
- Mounting Hardware
- Mounting Instructions

8.76" 222,4
6.34" 181
9.15" 232,5
4.8" 122

Part Number
007560542 – Euro Beam

RALLYE 4000i COMPACT XENON

XENON
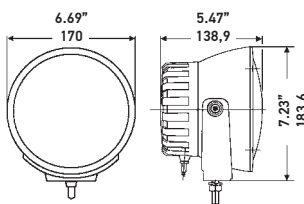
Features:
- Internal ballast for the ultimate in mounting flexibility
- Black powder-coated metal housing
- Modern design
- Compact size
- Red retaining ring
- 12V
- 35W

Mounting
- Upright
- Pendant

Applications
- Off-Road racing
- Extreme terrain
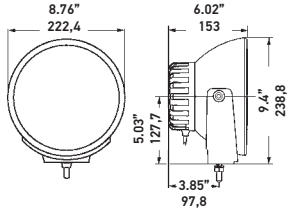- Long distance night vision

Includes
- 1 Light with Integrated Ballast
- 1 Xenon Capsule
- 1 Stone Shield
- 1 Wiring Harness
- 1 Relay
- Mounting Hardware
- Mounting Instructions

6.69" 170
5.47" 138,9
7.23" 183,6

Part Number
009094331 – Driving Beam
009094321 – Pencil Beam

Products subject to change without notice. For more information please visit **www.myhellalights.com**

RALLYE 4000 COMPACT XENON

XENON
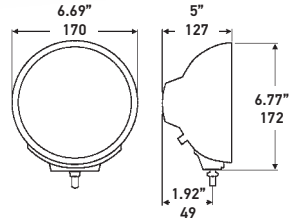
Features:
- Zinc die-cast metal housing
- 24% smaller than Rallye 4000 Xenon
- Modern clear glass design
- Stylish FF reflection
- 4th generation Xenon ballast unit
- Housing, ring, and bracket made of sturdy zinc die-casting
- Knurled knobs for quick lamp adjustments
- 12V
- 34W

Mounting
- Flush

Applications
- Rural, night driving
- Off-road driving
- Off-road racing

Includes
- 1 Light
- 1 Xenon Capsule
- 1 Xenon Ballast
- 1 Wiring Harness
- Mounting Hardware
- Mounting Instructions

6.69" 170   5" 127
6.77" 172
1.92" 49
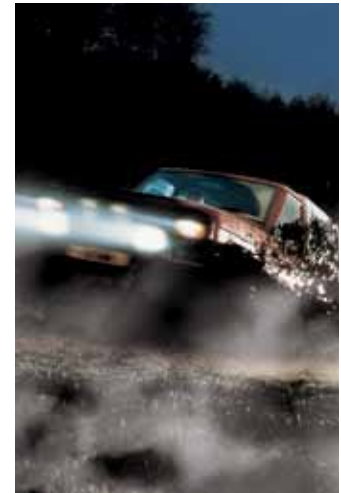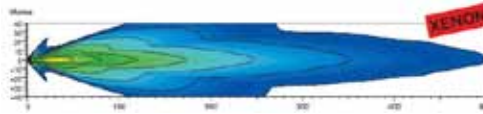
Part Number

009094141 – Driving Beam

JUMBO 320 XENON

XENON
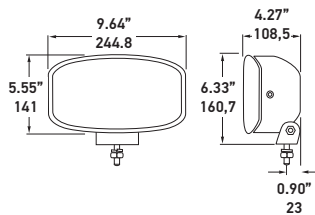
Features:
- Innovative clear lens design
- Modern rectangular shape
- Long-range
- Powerful illumination
- Magnesium free-form reflector
- 6 LEDs for position light function
- 12V
- 35W

Mounting
- Upright
- Pendant

Applications
- Large applications
- Extreme terrain

Includes
- 1 Light
- 1 Xenon Capsule
- 1 Xenon Ballast
- 1 Wire Harness
- Mounting Hardware
- Mounting Instructions

9.64" 244.8   4.27" 108,5
5.55" 141   6.33" 160,7
0.90" 23

Part Number

H12773021

FF 200 XENON KIT

XENON
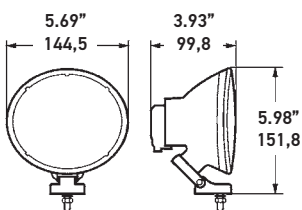
Features:
- Long-range
- Powerful illumination
- Elegant, innovative clear lens design
- Highly-sophisticated FF reflector
- Fast-fit mounting system for universal attachment
- Also available in singles
- 12V
- 35W

Mounting
- Upright

Applications
- Additional driving light
- Endurance racing
- Motorcycles and sports cars
- Small mounting areas

Includes
- 2 Lights
- 2 Xenon Capsules
- 2 Xenon Ballasts
- 1 Wiring Harness
- 1 Relay
- Mounting Hardware
- Mounting Instructions

5.69" 144,5   3.93" 99,8
5.98" 151,8

Part Number

007893871

HELLA 500 SERIES

The art of lighting with innovative free-form reflector technology

The HELLA 500 series of halogen auxiliary lights can be easily installed on the roof or front bumper of a vehicle. They are fully equipped to withstand extreme driving situations. That not only sounds good but looks good too, with a compact design and black casing with matte finish.

In terms of lighting technology, these auxiliary lights offer homogeneous lighting with the help of computer-optimized, free-form reflectors. These lights provide excellent visibility and active safety in all weather conditions.

	Part No.	Description	Kit	Single
1	005750952	HELLA 500	■	
2	005750941	HELLA 500FF	■	
3	005750971	HELLA 500 FOG	■	
4	005750512	HELLA 500 AMBER		■
5	005750991	HELLA 500 BLACK MAGIC	■	

2.6" 67　6.4" 163
6.8" 175

Features:
• Light-weight design
• Impact-resistant reinforced ABS housing
• Aluminum vapor-coated reflector
• Bonded glass lens
• Upright mounting
• 12V, 55W
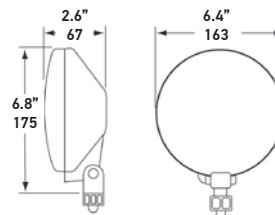
Kits Include
• 2 Lights, 2 Stone Shields
• 2 Halogen Bulbs
• 1 Wiring Harness
• 1 Switch, 1 Relay
• Mounting Hardware
• Mounting Instructions

Single Include
• 1 Light
• 1 Halogen Bulb
• 1 Stone Shield
• Mounting Hardware
• Mounting Instructions

HELLA 1000 BLACK MAGIC

Features:
- Light-weight Design
- Aluminum vapor-coated reflector
- Impact-resistant reinforced ABS housing
- Innovative Black Optics technology creates unique blackout look when off
- Brilliant white driving beam when on
- Bonded glass lens
- ECE Approved
- 12V
- 55W

Mounting
- Upright

Applications
- Rural, night driving
- Off-road activity

Includes
- 2 Lamps
- 2 Halogen Bulbs
- 1 Wiring Harness
- 1 Switch, 1 Relay
- Mounting Hardware
- Mounting Instructions

7.3" 186   3.4" 88   8.5" 218

Part Number
004700771

HELLA 700FF KIT
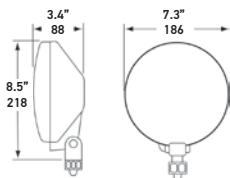
Features:
- Light-weight design
- Aluminum vapor-coated reflector
- Impact-resistant reinforced ABS housing
- 13% larger than the 500FF Series
- Bonded glass lens
- 12V
- 55W

Mounting
- Upright

Applications
- Rural, night driving
- Off-road activity

Includes
- 2 Lamps, 2 Stone Shields
- 2 Halogen Bulbs
- 1 Wiring Harness
- 1 Switch, 1 Relay
- Mounting Hardware
- Mounting Instructions

3.4" 88   7.3" 186   8.5" 218
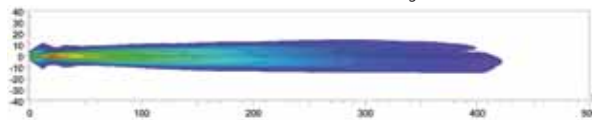
Part Number
010032801

AUXILIARY LIGHT/ WORKLIGHT DISPLAY

Fully powered light display with a memorable design! This display is made of ridgid material and can display up to 3 auxiliary lights. With the new HELLA design we guarantee it will be a real eye catcher.

- Stylish design with vinyl graphics
- Made of rigid, lightweight materials
- Lamps included
- Power supply included

HELLA 3 Light Display
The display has the following pre-assembled products:
A) 500 HELLA Back Magic
B) HELLA 700F
C) HELLA 500FF

Part No.
H05212221

2. Lighting
2.4 Halogen Auxiliary Lights

RALLYE 4000 & RALLYE 4000 FF

HALOGEN

Features:
- Housing Material: Die-cast Zinc
- Optics: Reflector/Lens
- Lens Material: Glass
- Connection: Male Connector
- Mounting Bracket: Die-cast Zinc
- 12V
- 100W (Rallye 4000), 55W (Rallye 4000FF)
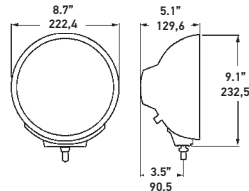
8.7" 222,4 5.1" 129,6 9.1" 232,5 3.5" 90,5

Mounting
- Upright

Applications
- Off-road use only
- Rural, night driving

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Pigtail
- Mounting Hardware
- Mounting Instructions

Part Number
H12560021 – Euro Beam
H12560031 – w/ position light
H12560051 – Cornering Beam
H12560061 – Pencil Beam
007560361 – Rallye 4000FF

RALLYE 4000 FOG

HALOGEN

Features:
- Housing Material: Die-cast Zinc
- Optics: Reflector/Lens
- Lens Material: Glass
- Connection: Male Connector
- Mounting Bracket: Die-cast Zinc
- ECE /SAE Approved
- 12V
- 55W
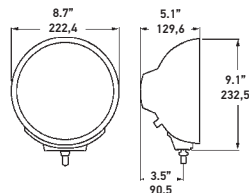
8.7" 222,4 5.1" 129,6 9.1" 232,5 3.5" 90,5

Mounting
- Upright

Applications
- Off-road use only
- Rural, night driving

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

Part Number
H12560001

RALLYE 4000 COMPACT

HALOGEN

Features:
- Housing Material: Die-cast Zinc
- Optics: Reflector/Lens
- Lens Material: Glass
- 24% smaller than Rallye 4000
- Mounting Bracket: Die-cast Zinc
- ECE (Driving beam only)
- 12V
- 55W
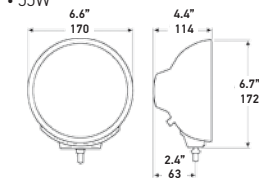
6.6" 170 4.4" 114 6.7" 172 2.4" 63

Mounting
- Upright

Applications
- Off-road use only

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb (no bulb for -101)
- 1 Stone Shield (no cover for -101)
- Mounting Hardware
- Mounting Instructions

Part Number
009094101 – Pencil Beam
009094181 – Driving

RALLYE 3000 COMPACT

HALOGEN

Features:
- Housing Material: ABS
- Optics: Reflector
- Lens Material: Glass
- 22% smaller than Rallye 4000
- Mounting Bracket: Die-cast Zinc
- ECE Approved
- 12V
- 55W
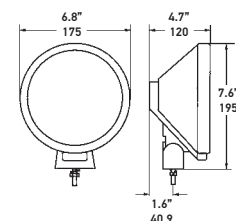
6.8" 175 4.7" 120 7.6" 195 1.6" 40,9

Mounting
- Upright

Applications
- Off-road use only

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

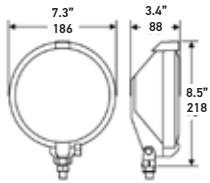| Part Number |
| --- |
| 009390011 |

HELLA 550

HALOGEN

Features:
- Light-weight design
- Impact-resistant reinforced ABS housing
- Aluminum vapor-coated reflector
- Bonded glass lens
- ECE Approved
- 12V
- 55W

7.6" 195 3.2" 82,5
3.7" 96 4.6" 119
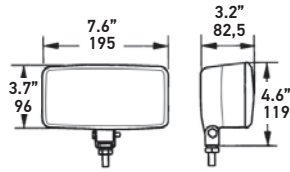
Mounting
- Upright
- Pendant

Applications
- Off-road use only

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

Kit Includes
- 2 Lamps
- 2 Halogen Bulbs
- 2 Stone Shields
- 1 Wiring Harness
- 1 Switch
- 1 Relay
- Mounting Hardware
- Mounting Instructions

Part Number
005700301 – Single
005700891 – Kit

HELLA 550 FOG

HALOGEN

Features:
- Light-weight design
- Impact-resistant reinforced ABS housing
- Aluminum vapor-coated reflector
- Bonded glass lens
- ECE /SAE Approved
- 12V
- 55W
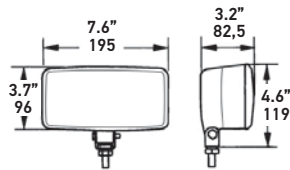
7.6" 195 3.2" 82,5
3.7" 96 4.6" 119

Mounting
- Upright
- Pendant

Applications
- Off-road use only
- Foggy road conditions

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

Kit Includes
- 2 Lamps
- 2 Halogen Bulbs
- 2 Stone Shields
- 1 Wiring Harness
- 1 Switch
- 1 Relay
- Mounting Hardware
- Mounting Instructions

Part Number
005700001 – Single
005700901 – Kit

HELLA 550 AMBER FOG

HALOGEN

Features:
- Light-weight design
- Impact-resistant reinforced ABS housing
- Aluminum vapor-coated reflector
- Bonded glass lens
- Amber lens
- ECE /SAE Approved
- 12V
- 55W
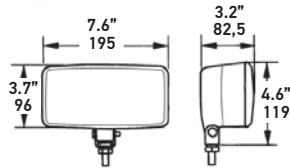
7.6" 195 3.2" 82,5
3.7" 96 4.6" 119

Mounting
- Upright
- Pendant

Applications
- Off-road use only
- Foggy road conditions

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

Kit Includes
- 2 Lamps
- 2 Halogen Bulbs
- 2 Stone Shields
- 1 Wiring Harness
- 1 Switch
- 1 Relay
- Mounting Hardware
- Mounting Instructions

Part Number
005700021 – Single
005700881 – Kit

JUMBO 220

HALOGEN

Features:
- Light Source: H3 12V/55W Bulb
- Housing Material: ABS
- Optics: Lens
- Lens Material: Glass
- Connection: No Leads
- Mounting Bracket: Zinc Coated Steel
- ECE Approved
- 12V
- 55W
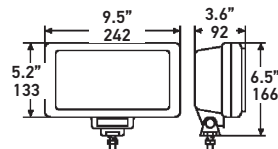
9.5" 242 3.6" 92
5.2" 133 6.5" 166

Mounting
- Upright
- Pendant

Applications
- Off-road use only

Single Light Includes
- 1 Lamp
- 1 Halogen Bulb
- 1 Stone Shield
- Mounting Hardware
- Mounting Instructions

| Part Number |
| --- |
| **H12300021 – Driving** |
| **H12300031 – Blue Driving** |

HELLA
*VALUE*FIT

HELLA VALUE FIT LIGHTING
AUXILIARY LIGHTS

HELLA VALUE FIT PRO SERIES

NEW

1 **Combo Beam.** A combination of a spot beam and flood beam

2 **Diecast Aluminum Housing** able to withstand the elements.

3 **Aluminum Alloy Brackets** for sturdy upright mounting. A perfect fit for roof, grille and bumper mounting.

4 An all around professional LED light bar, a perfect fit for your next race to out shine the competition!

Color Temperature

→ Color temperature is close to natural daylight. Drivers operating in such lighting conditions stay alert longer.

5000 – 5500 K
HELLA Value Fit Pro Series
LED Light Bars

1800K

6000 K
Daylight

10000K
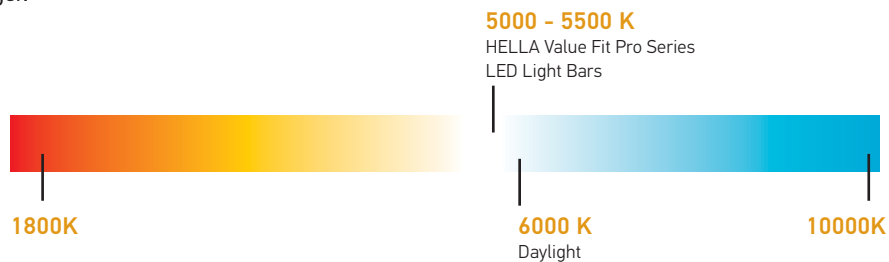
HELLA VALUE FIT PRO SERIES LIGHT BAR 20 LED / 12" – SPOT BEAM

LED

Features:
- 20 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 3100 lm
- Lux at 10 m: 1470 lx
- Multivolt 10–30V DC
- Connection: Wire leads
- 60W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
11.6"W x 3.7"H x 3.2" D
295 x 96 x 81mm

Part Number
357210001

HELLA VALUE FIT PRO SERIES LIGHT BAR 40 LED / 21" – COMBO BEAM

LED

Features:
- 40 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 5560 lm
- Lux at 10 m: 3060 lx
- Multivolt 10–30V DC
- Connection: Wire leads
- 120W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
21.4" W x 3.7" H x 3.2" D
544 x 96 x 81mm

Part Number
357210101

HELLA VALUE FIT PRO SERIES LIGHT BAR 60 LED / 31" – COMBO BEAM

LED

Features:
- 60 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 9250 lm
- Lux at 10 m: 4180 lx
- Multivolt 10–30V DC
- Connection: Wire leads
- 180W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
31.3" W x 3.7" H x 3.2" D
794 x 96 x 81mm

Part Number
357210201

HELLA VALUE FIT PRO SERIES LIGHT BAR 100 LED / 51" – COMBO BEAM

LED

Features:
- 100 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 15500 lm
- Lux at 10 m: 6800 lx
- Multivolt 10–30V DC
- Connection: Wire leads
- 300W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
50.9" W x 3.7" H x 3.2" D
1292 x 96 x 81mm

Part Number
357210301

HELLA VALUE FIT DESIGN SERIES

NEW

1 **Combo Beam.** A combination of a spot beam and flood beam

2 **Diecast Aluminum Housing** able to withstand the elements.

3 **Aluminum Alloy Brackets** for sturdy upright mounting. A perfect fit for roof, grille and bumper mounting.

4 Sleek low profile design for a discreet lighting solution!

Color Temperature

→ Color temperature is close to natural daylight. Drivers operating in such lighting conditions stay alert longer.

6000 K
HELLA Value Fit Design Series
LED Light Bars

1800K

6000 K
10000K

6000 K
Daylight

HELLA VALUE FIT DESIGN SERIES LIGHT BAR 6 LED / 11" – COMBO BEAM

LED

Features:
- 6 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 3000 lm
- Lux at 10 m: 1050 lx
- Multivolt 10-30V DC
- Connection: Wire leads
- 60W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
11.3" W x 2.6" H x 3.5" D
289 x 65 x 90mm

Part Number
357209001

HELLA VALUE FIT DESIGN SERIES LIGHT BAR 12 LED / 21" – COMBO BEAM

LED

Features:
- 12 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 5500 lm
- Lux at 10 m: 2050 lx
- Multivolt 10-30V DC
- Connection: Wire leads
- 120W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
21.4" W x 2.6" H x 3.5" D
543 x 65 x 90mm

Part Number
357209101

HELLA VALUE FIT DESIGN SERIES LIGHT BAR 18 LED / 31" – COMBO BEAM

LED

Features:
- 18 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 8500 lm
- Lux at 10 m: 3100 lx
- Multivolt 10-30V DC
- Connection: Wire leads
- 180W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
31.3" W x 2.6" H x 3.5" D
797 x 65 x 90mm

Part Number
357209201

HELLA VALUE FIT DESIGN SERIES LIGHT BAR 30 LED / 51" – COMBO BEAM

LED

Features:
- 30 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 14500 lm
- Lux at 10 m: 5100 lx
- Multivolt 10-30V DC
- Connection: Wire leads
- 300W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
51.4" W x 2.6" H x 3.5" D
1305 x 65 x 90mm

Part Number
357209301

Products subject to change without notice. For more information please visit **www.myhellalights.com**

31

HELLA VALUE FIT SPORT SERIES

NEW

Series available 2nd quarter 2016

1 **Combo Beam.** A combination of a spot beam and flood beam

2 **Diecast Aluminum Housing** able to withstand the elements.

3 **Aluminum Alloy Brackets** for sturdy upright mounting. A perfect fit for roof, grille and bumper mounting.

4 Get that off-road look whether you're on the street or blazing the trails!
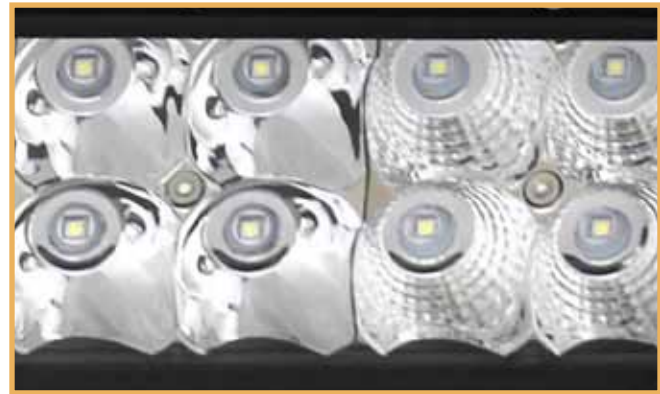
Color Temperature

→ Color temperature is close to natural daylight. Drivers operating in such lighting conditions stay alert longer.

6000 K
HELLA Value Fit Sport Series
LED Light Bars

1800K

6000 K
Daylight

10000K

HELLA VALUE FIT SPORT SERIES LIGHT BAR 12 LED / 8" – FLOOD BEAM

LED

Features:
- 12 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 1200 lm
- Lux at 10 m: 490 lx
- Multivolt 10-30V DC
- 36W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
8.1" W x 3.1" H x 3.4" D
206 x 79 x 87mm

Part Number
357208001

HELLA VALUE FIT SPORT SERIES LIGHT BAR 40 LED / 22" – COMBO BEAM

LED

Features:
- 40 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 4300 lm
- Lux at 10 m: 1710 lx
- Multivolt 10-30V DC
- 120W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
22.2" W x 3.1" H x 3.4" D
563 x 79 x 87mm

Part Number
357208101

HELLA VALUE FIT SPORT SERIES LIGHT BAR 60 LED / 32" – COMBO BEAM

LED

Features:
- 60 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 5900 lm
- Lux at 10 m: 2230 lx
- Multivolt 10-30V DC
- 180W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
32.2" W x 3.1" H x 3.4" D
818 x 79 x 87mm

Part Number
357208201

HELLA VALUE FIT SPORT SERIES LIGHT BAR 96 LED / 50"– COMBO BEAM

LED

Features:
- 96 High intensity LEDs
- Die-cast aluminum housing
- Aluminum Alloy brackets
- Measured lumen: 9500 lm
- Lux at 10 m: 3490 lx
- Multivolt 10-30V DC
- 288W

Mounting
- Upright

Applications
- Off-road use only

Dimensions:
50.1" W x 3.1" H x 3.4" D
1273 x 79 x 87mm

Part Number
357208301

2.5 HELLA Value Fit LED Auxiliary Lights

HELLA VALUE FIT CUBE 4 LED KITS

LED

NEW

More efficient LEDs

Features:
• 4 High intensity LEDs
• Compact size
• Die-cast aluminum housing,
• Stainless steel bracket
• Measured lumen: 600 lm (Flood)
• Measured lumen: 690 lm (Spot)
• Lux at 10 m: 290 lx (Flood) 35 lx (Spot)
• Multivolt 10-30V DC
• 12W

Dimensions:
3.1" W x 3.4" H x 3.2" D
80 x 87 x 82mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 2 Lights with mounting brackets
• 1 Wiring harness with DT connectors
• 1 Relay
• 1 Fuse
• 1 Switch
• Mounting Hardware
• Mounting Instructions

Part Number
357204831** Spot
357204821** Flood

HELLA VALUE FIT 90MM SPOT LIGHT

LED

NEW

Features:
• 6 High intensity LEDs
• Spot Beam
• Die-cast aluminum housing
• Adjustable stainless steel bracket
• Measured lumen: 995 lm
• Lux at 10 m: 300 lx
• Multivolt 10-30V DC
• 18W

Dimensions:
3.5" W x 3.5" H x 2.3" D
89 x 89 x 58mm

4.8" W x 4.8" H x 2.4" D (Flush)
121 x 121 x 60mm (Flush)

Mounting
• Upright
• Flush

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Gasket (Flush version only)
• Mounting Hardware
• Mounting Instructions

Part Number
357201001* – Spot Beam
357201011* – Spot Beam Flush

HELLA VALUE FIT MINI LIGHT BAR FLUSH 6 LED / 6"

LED

NEW

Features:
• 6 High intensity LEDs
• Measured lumen: 1000 lm
• Lux at 10 m: 350 lx (Spot) 50 lx (Flood)
• 10-30V DC
• 18W

Dimensions:
6.3" W x 1.8" H x 2.5" D
160 x 45 x 60mm

7.7" W x 2.4" H x 1.8" D
195 x 62 x 45mm

Mounting
• Upright|
• Flush

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Gasket (Flush version only)
• Mounting Hardware
• Mounting Instructions

Part Number
357203001* – Flood Pedestal
357203011* – Spot Pedestal
357203031* – Flood Flush

* Available 1st quarter 2016. ** Available 2nd quarter 2016. Products subject to change without notice. For more information please visit **www.myhellalights.com**

HELLA VALUE FIT CUBE 6 LED FLOOD LIGHT - FLUSH MOUNT

LED

Features:
- 6 High intensity LEDs
- Die-cast aluminum housing
- Measured lumen: 1000 lm
- Lux at 10 m: 50 lx
- Multivolt 10-30V DC
- 18W

Dimensions:
4.8" W x 3.6" H x 3.2" D
122 x 92 x 80mm

NEW

Mounting
- Flush

Applications
- Off-road use only

Includes
- 1 Light
- Gasket
- Mounting Hardware
- Mounting Instructions

Part Number
357204021*

VALUE FIT 7" LIGHT DRIVING LIGHT

LED

Features:
- 1 High intensity LED
- Die-cast aluminum housing
- Stainless steel bracket
- Measured lumen: 1080 lm
- Lux at 10 m: 700 lx
- Multivolt 10-30V DC
- **SAE and ECE approved**
- 20W

Dimensions:
7.0" W x 7.0" H x 4.2"D
178 x 178 x 106mm

NEW

Mounting
- Upright

Applications
- On-road use. Street legal in North and South America (check local regulations)

Includes
- 1 Light with Bracket
- Mounting Hardware
- Mounting Instructions

Part Number
357200001* – Driving Beam
SAE & ECE Approved

HELLA VALUE FIT 7" LIGHT SPOT LIGHT

LED

Features:
- 1 High intensity LED
- Die-cast aluminum housing
- Stainless steel bracket
- Measured lumen: 3000 lm
- Lux at 10 m: 860 lx
- Multivolt 10-30V DC
- 30W

Dimensions:
7.0" W x 7.0" H x 4.2"D
178 x 178 x 106mm

NEW

Mounting
- Upright

Applications
- Off-road use only

Includes
- 1 Light with Bracket
- Mounting Hardware
- Mounting Instructions

Part Number
357200011* – Spot Beam

OPTILUX WIRE HARNESSES

- Wire harness installation is easy and fast.
- The perfect fit for lamps and OPTILUX LED light bars

ATTENTION: These sets of harness cables are suitable for connecting any spotlight whose energy consumption does not exceed 300W at 12V. Any misuse can be dangerous. Be sure to disconnect the negative terminal (-) of the battery before installation to avoid any short circuit that can lead to injury or property damage.

Single light wire harness includes:
- (1) wire harness connector and fuse ATP * 30 A, (1) relay 12V (1) 12V Switch and Assembly instructions

Two light wire harness includes:
- (1) wire harness with 2 connectors DT * (1) 30 A fuse (1) relay 12V, (1) 12V Switch and assembly instructions

H84131151	Single light harness
H84131141	Two light harness

2. Lighting

2.5 Optilux LED Auxiliary Lights

OPTILUX CUBE 4 LED KITS

LED

Features:
• 4 High intensity LEDs
• Compact size
• Die-cast aluminum housing,
• Stainless steel bracket
• Measured lumen: 700 lm
• Multivolt 10-30V DC
• 16W

Dimensions:
3.1" W x 3.4" H x 3.2" D
80 x 87 x 82mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 2 Lights with mounting brackets
• 1 Wiring harness with DT connectors
• 1 Relay
• 1 Fuse
• 1 Switch
• Mounting Hardware
• Mounting Instructions

Part Number
H71020401 – Driving Kit
H71020501 – Spot Kit

OPTILUX MODULAR LIGHT BAR 3XL LED / 7"

LED

Features:
• Magnesium-alloy housing
• More modules can be added through mounting bolts on either side and on top to create a desired width and height
• Measured lumen: 1850 lm
• 10-30V DC
• 30W

Dimensions:
7.1"W x 3.0"H x 3.2"D
180 x 76 x 81mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Mounting Hardware
• Mounting Instructions

Old Number / New Number
H71020421 / 357205001

OPTILUX LIGHT BAR 12 LED / 8"

LED

Features:
• 12 High intensity LEDs
• Die-cast aluminum housing
• Stainless steel bracket
• Measured lumen: 1200 lm
• Lux at 10 m: 354 lx
• Multivolt 10-30V DC
• 36W

Dimensions:
8.2"W x 3.0"H x 3.5"D
208 x 76 x 88mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Mounting Hardware
• Mounting Instructions

Part Number
H71020431

Products subject to change without notice. For more information please visit **www.myhellalights.com**

OPTILUX
LIGHT BAR 40 LED / 22"

LED

Features:
• 40 High intensity LEDs
• Die-cast aluminum housing
• Stainless steel bracket
• Measured lumen: 4300 lm
• Lux at 10 m: 1320 lx
• Multivolt 10–30V DC
• 120W

Dimensions:
21.5"W x 3.0"H x 3.5"D
546 x 76 x 88mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Mounting Hardware
• Mounting Instructions

Part Number
H71020451

OPTILUX
LIGHT BAR 60 LED / 32"

LED

Features:
• 60 High intensity LEDs
• Die-cast aluminum housing
• Stainless steel bracket
• Measured lumen: 5000 lm
• Lux at 10 m: 1845 lx
• Multivolt 10–30V DC
• 180W

Dimensions:
31.5"W x 3.0"H x 3.5"D
800 x 76 x 88mm

Mounting
• Upright

Applications
• Off-road use only

Includes
• 1 Light with Bracket
• Mounting Hardware
• Mounting Instructions

Part Number
H71020461

HELLA BULBS

LIGHTING // Simulations and calculations have been used to support the development of headlights for many years. However, this information alone can not replace the actual impression of lighting as seen in the largest European Light test center in Hella facilities Lippstadt, Germany.

Compliance with Standards
World Class

DOT

SAE INTERNATIONAL®

E₁

I.Q.A. OCP 0009

INMETRO

ARAI Progress through Research

SCC

THE BRAND HELLA IS SYNONYMOUS WITH QUALITY

When it comes to driving safety, sight is the most important sense. Visibility can be impaired under various circumstances and driving under these adverse conditions will increase the risk of an accident. To meet these challenges, HELLA is continually improving existing lighting systems and developing new lighting equipment and components. HELLA bulbs undergo strenuous quality tests. This is achieved by using the most modern equipment in light metering, which provides information if a bulb has the necessary properties.

HELLA products are subjected to the following tests:
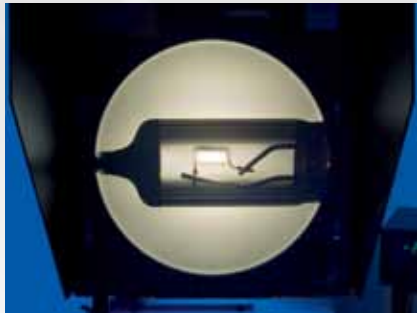
Geometrical Measurement
A measuring projector is used to check the filament geometry - with regard to the statutory standards in accordance with IEC 60810. The filament must be dimensioned and positioned within the bulb as specified in the standard. This is the only way to achieve optimum headlight power and prevent glare to oncoming traffic.

Vibration and Shock Test
Here, vibration resistance of the bulb and the filament in particular, is tested on an electro-dynamic vibration table.

Paint Adhesion Test
The adhesion of paint on colored glass bulbs – such as the PY21W for example – is tested in a climate chamber at different temperatures and air humidities. Optimum adhesion of glass bulb paint guarantees the prescribed amber indicator light over the whole service life period.

Life Test
Sophisticated tests are used to prove the high reliability of the HELLA bulbs over a long period.

Light Flux Measurement
The Ulbricht sphere and goniometer are used to determine the light fluxes and luminous intensities of the HELLA bulbs. This guarantees optimum light output of the bulbs.

Standard   +50   Long Life

THE RIGHT SOLUTION

STANDARD

HELLA Standard halogen lamps provide original equipment manufacturer quality and a great value for your money.

PERFORMANCE

Our bulbs are setting new benchmarks for halogen lighting and are making driving both safer and more enjoyable. The opaque, silver cap offers an elegant look in clear-glass headlamps

LONG LIFE

HELLA Long Life halogen lamps have a longer service life and are more environ-mentally friendly, because they do not have to be replaced as often. They provide optimum value for money and the best selection for frequent travelers.

LIFE EXPECTANCY OF A BULB

Service life and light efficiency among other things strongly depends on the supply voltage used. Therefore, protective resistors are used in some vehicle types to ensure that the supply voltage doesn't exceed 13.2 V. On the other hand, undervoltage, e.g. due to a defective generator, means exactly the opposite. The light now has a considerably higher red fraction and thus light efficiency is lower.

13.2 V

14.2 V

Lifetime in %

Voltage increase in %
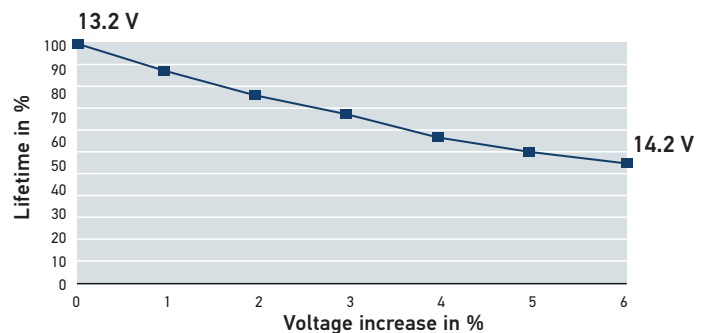
Clear Blue

High Performance 2.0

HEAVY DUTY

The double power 24 V produces the light by means of a newly developed, single-wound coil. Bulb power has been able to be increased thanks to this single-coil technology.

The doble power brings more safety and light onto the road without dazzling oncoming traffic and reduces costs by increasing service life!

DESIGN

Our Design lamps meet special demands relating to design and safety. The cool xenon effect makes the Blue Light an alternative for design-oriented drivers. In addition, the bluish white light helps improve concentration, providing you with increased driving comfort.:

HIGH WATTAGE

The ideal bulbs for professionals who travel off-road, or make special demands on light power. Such as those in agriculture or forestry, or on building sites. In addition, Hella light has been involved in many victories in 24-hour races.

Note: Please note that due to high voltage can generate overheating in the wiring of the headlight.

COLOR TEMPERATURE

Color temperature is a measurement in degrees Kelvin that indicates the hue of a specific type of light source. (Kelvin is indicated by the unit symbol K.) Color temperatures over 4000K are called cool colours (blueish white), while lower colour temperatures (2700 – 3000K) are called warm colors (yellowish white through red). The higher the temperature of a light source is, the greater the proportion of blue and the lower the proportion of red in the color spectrum. An incandescent light bulb has a warm white color temperature of approx. 2700K.

3200K
Standard Halogen Bulb

4200 K
Xenon Lamp
HID (High Intensity Discharge Lamps)

1800K

3600K
High Performance 2.0

6000 K
Daylight

10000K
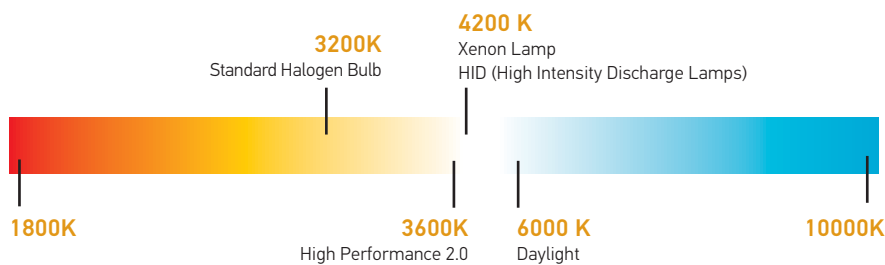
PRODUCT RANGE

**QUALITY STANDARDS
ECE, SAE AND INMETRO**

Halogen Standard Bulbs – 12V

862	898	H4 45/45W
880	899	H4 P45T
881	9003	H7
884	9004	H8
885	9005	H9
886	9005XS	H10 (9145)
887	9006	H11
888	9006XS	H12 (9055)
889	9007	H13
890	H1	HS1
891	H2	H20W
892	H3	H21W
893	H3 35W	H5W
894	H4	H6W
896	H4 35/35W	

STANDARD

Miniature – (multiple voltages)

1891	194B	330	6418	89
1003	194G	3457	6428	90
1004	194R	3457NA	6438	912
1034	199	3496	6451	921
1034A	2057	3497	6475	93
1034NA	2057NA	3652	6476	97
1073	2357	37	660	A3603
1141	2357NA	3757A	67	A3625
1156	2396	3796	7225	DE3021
1156NA	2397	3799	73	DE3022
1157	24	3893	74	DE3175
1157A	24NA	3898	7440	DE3425
1157NA	2721	5007	7440A	
1176	2722	5008	7440NA	
1176A	2723	51	7441	
1224	2820	53	7443	
1445	2821	57	7443A	
158	2825	6235	7443NA	
158A	2825BL	6245	7506	
168	2827NA	6260	7506A	
1816	3047	63	7506NA	
1893	3057	631	7507	
1895	3156	635	7507C	
194	3157	6411	7528	
194NA	3157NA	6413	7951	

STANDARD

Xenon Bulbs (HID)

D1S – 009028111
D2S – 007949261
D2R – 007001151
D3S – 009028311
D4S – 007949311

PERFORMANCE

Xenon Bulbs +30 (HID)

D1S – 009028621
D2S – 007949251
D2R – 007001241

STANDARD

Halogen Standard Bulbs – 24V

H1 24V	H7 24V
H3 24V	H11 24V
H4 24V	H21W 24V

STANDARD

Miniature Bulbs – 24V

17	2841	5627	6453
1141 24V	2845	5637	6480
1308	3797	6423	7511
1683	3899	6424	7537
265	3930	6429	7952
2741	400	6430	9507

HEAVY DUTY

Heavy Duty – 12V y 24V

Halogen	Miniature
H3 24V HD	198HD
H3HD	5637HD
H4 24V HD	7510LTS

LONG LIFE

Long Life (Halogen) – 12V y 24V

9003LL	H1LL
9004LL	H4 24V LL
9005LL	H7 24V LL
9006LL	H7LL
9007LL	H11LL

LONG LIFE

Long Life – Miniature Bulbs – 12V

1003LL	2057LL	7440LL
1141LL	2057NALL	7443LL
1156LL	2357LL	
1157LL	3047LL	
1157NALL	3157LL	

PERFORMANCE

+50 – 12V

H1P50	H13P50
H4P50	9004P50
H3P50	9005P50
H7P50	9006P50
H11P50	9007P50

Part number nomenclature:

A:	Amber glass
NA:	Natural amber glass
BL:	Blue light
R:	Red glass
C:	Crystal clear (transparent)
TLL:	Long life – two pieces
P50:	50% more light than standard bulbs HELLA
HD:	Heavy duty
YL:	Yellow light

Bulbs "amber glass" have a color tint in his amber glass. Bulbs "amber natural glass" are made of a mixture of minerals that provide the amber in his glass.

A: Amber glass   NA: Natural amber glass

HARD CASE - 2 PIECES

PERFORMANCE

High Performance 2.0 – 12V

H1	55 W	H83300002
H3	55 W	H83300032
H4 (HB2, 9003)	60/55 W	H83300072
H7	55 W	H83300042
H9	65 W	H83300052
H11	55 W	H83300012
H13 (9008)	60/55 W	H83300022
9004 (HB1)	65/45W	H83300062
9005 (HB3)	65 W	H83300082
9006 (HB4)	55 W	H83300092
9007 (HB5)	65/55W	H83300102

HIGH WATTAGE

High Wattage – 12V y 24V

H1 100W	H4 100/55W	9004 100/80W
H1 130W	H4 100/80W	9005 100W
H2 100W	H4 130/90W	9006 80W
H3 100W	H4 24V 100/90W	9007 100/80W
H3 130W	H7 100W	
H3 24V 100W	H7 70W	

Note: Please note that due to high voltage can generate overheating in the wiring of the headlight.

HARD CASE - 2 PIECES

DESIGN

Optilux Extreme Yellow XY – 12V

880	27 W	H71071172
881	27 W	H71071182
893	37.5 W	H71071192
9006	55 W	H71071462
H1	55 W	H71070642
H10	42 W	H71071112
H11	55 W	H71071132
H13	60/55 W	H71071152
H16	35 W	H71071302
H3	55 W	H71070662
H3C	55 W	H71071342
H4	60/55 W	H71070682
H7	55 W	H71070702
H8	35 W	H71071072
H9	65 W	H71071092
HB1	65/45 W	H71070562
HB3	65 W	H71070582
HB4	55 W	H71070602
HB5	60/55 W	H71070622

HARD CASE - 2 PIECES

DESIGN

Optilux Extreme White XB – 12V

880	32 W	H71071212
881	32 W	H71071222
893	37.5 W	H71071232
9004	65/45 W	H71071392
9005	65 W	H71071402
9005	65 W	H71071412
9005	100 W	H71071422
9006	55 W	H71071432
9006	55 W	H71071442
9006	80 W	H71071452
9007	65/55 W	H71071472
H1	55 W	H71071242
H10	65 W	H71071012
H10	42 W	H71071252
H11	80 W	H71071032
H11	55 W	H71071262
H13	100/80 W	H71071052
H13	60/55 W	H71071272
H16	35 W	H71071282
H2	100 W	H71070227
H3	100 W	H71070181
H3	55 W	H71071312
H3C	55 W	H71071322
H3C	80 W	H71071332
H4	100/80 W	H71070201
H4	60/55 W	H71071352
H7	100 W	H71070307
H7	55 W	H71071362
H8	55 W	H71070772
H8	35 W	H71071372
H9	100 W	H71070792
H9	65 W	H71071382
HB1	100/80 W	H71070327
HB3	100 W	H71070347
HB4	80 W	H71070367
HB5	100/80 W	H71070387

HELLA PRODUCTS ON PART CAT

HELLA gives you a special function in Part Cat. Now you have the ability to search by part number interchange, make, model and year. This special function allows you to view all products for your specified application.

www.partcat.com/hella

2. Lighting
2.6 Bulbs

1 HEADLIGHT
STANDARD HALOGEN BULBS

LOW BEAM | HIGH BEAM | *FOG LIGHT (WHEN APPLY)

H1*	H2	H3*	H4* HB2	H7*	H8*	H9	H10 9145	H11	H11B	H12 9055	H13 9008	H15

9003 HB2	9004 HB1	9005* HB3	9005XS	9006 HB4	9006XS	9007 HB5	862*	880*	881*	884*

HS1	7951 R2

HEADLIGHT
XENON BULBS

D1S	D2S	D2R	D3S	D4S

2 INDICATORS

FRONT | REAR | SIDE

7507C P21W	7506NA PY21W	3156 P27W	3157 P27/7W	H21W	H6W

158A WY5W	7440 W21W	7440NA WY21W	6411	2825 W5W	5008 R10W

3 POSITION LIGHT

PO FRONT | TAILLIGHT

3893 T4W	194 W3W	2845 W5W	7440 W21W	7443 W21/5W

5007 R5W	5008 R10W	6428	6413 C5W	H5W	H6W

4 REVERSE LIGHT

7506 P21W	7440 W21W	DE3175 C10W	H21W	H6W

5 DASHBOARD

2721	7997051

6 LICENCE PLATE

SO-FH 122

7225 P21/4W	7537 P21/5W	5007 R5W	194 W3W

7440 W21W	7443 W21/5W	5008 R10W	2825 W5W

1

PERFORMANCE

+50%

H1P50	9004P50
H4P50	9005P50
H3P50	9006P50
H7P50	9007P50
H11P50	
H13P50	

PERFORMANCE

High Performance 2.0*

H1	H13 (9008)
H3	9004 (HB1)
H4 (HB2, 9003)	9005 (HB3)
H7	9006 (HB4)
H9	9007 (HB5)
H11	

HEAVY DUTY

Heavy Duty

H3 24V HD
H3HD
H4 24V HD

LONG LIFE

Long Life

H1LL	9003LL
H3LL	9004LL
H4LL	9005LL
H7LL	9006LL
H11LL	9007LL
H13LL	

DESIGN

Optilux Extreme White XB*

880	H7	9004 / HB1
881	H8	9005 / HB3
893	H9	9005XS
H1	H10	9006 / HB4
H3	H11	9006XS
H3C	H13/9008	9007 / HB5
H4/9003	H16/9009	

DESIGN

Optilux Extreme Yellow XY*

880	H3C	H11	9006XS
881	H4	H13/9008	9007 / HB5
893	H7	H16/9009	
894	H8	9004 / HB1	
H1	H9	9005 / HB3	
H3	H10	9006 / HB4	

* = Find part numbers on the previous page

9
6
4
8
2
7
10
4
8
2
3

10 GLOVE BOX

2825	7440	5007
W5W	C5W	R5W

9 BOOT INTERIOR

5007	7440	6411
R5W	C5W	10W

1
3

7 INTERIOR LIGHT
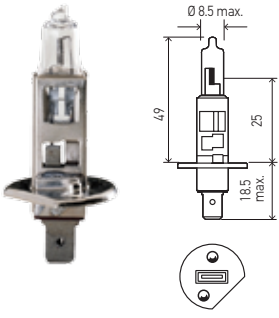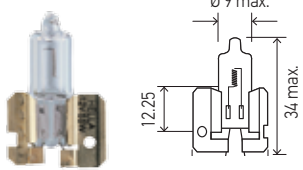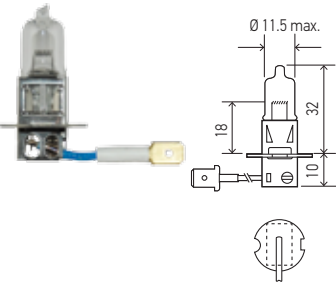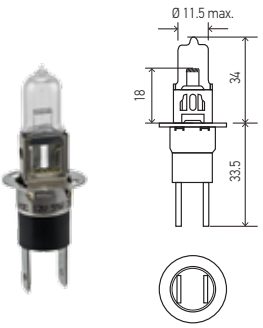
7440	7443	5008	6413	2825	6428
H6W	R5W	R10W	C5W	W5W	Bombillo M
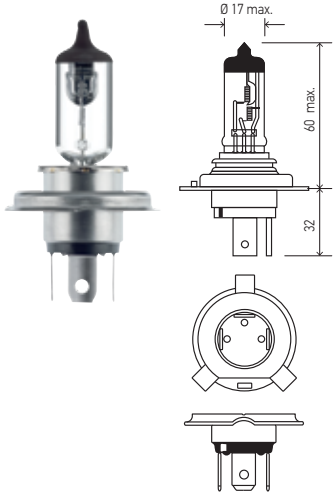
8 STOP LIGHT

7537	7225	7506	7440	7443	5007
P21/5W	P21/4W	P21W	W21W	W21/5W	R5W
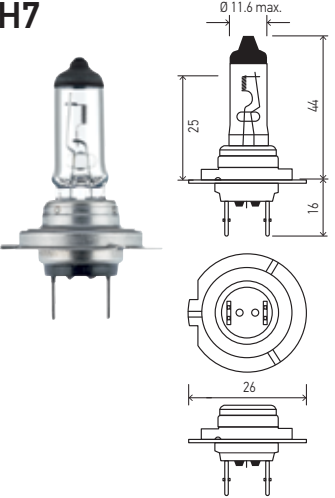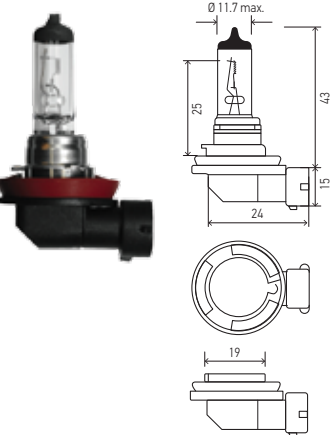
Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H1	H1	12	55 W	P14.5s	T2.5	1550		1	C	■	■	■	Standard
	H1 100W	12	100 W	P14.5s	T2.5	1850		1	C				High Wattage
	H1 130W	12	130 W	P14.5s	T2.5	2400		1	C				High Wattage
	H1 24V	24	70 W	P14.5s	T2.5	1900		1	C		■	■	Standard
	H1LL	12	55 W	P14.5s	T2.5	1550		1	C	■	■	■	Long Life
	H71070642*	12	55 W	P14.5s	T2.5			2	P				Extreme Yellow XY
	H71071242*	12	55 W	P14.5s	T2.5	1550		2	P	■	■	■	Extreme White XB
	H83300002	12	55 W	P14.5s	T2.5	1700		2	P	■	■	■	HP2.0
	H1P50	12	55 W	P14.5s	T2.5		3600	1	C				+ 50
	H71070227*	12	100 W	P14.5s	T2.5			2	P				Extreme White XB

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H2	H2	12	55 W	P22d	X511			1	C		■		Standard
	H2 100W	12	100 W	P22d	X511			1	C				High Wattage

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H3	H3	12	55 W	PK22s	T3.25	1450		1	C	■	■	■	Standard
	H3 100W	12	100W	PK22s	T3.25	1850		1	C				High Wattage
	H3 130W	12	130 W	PK22s	T3.25	2600		1	C				High Wattage
	H3 24V	24	70 W	PK22s	T3.25	1750		1	C		■	■	Standard
	H3 24V 100W	24	100 W	PK22s	T3.25	2500		1	C				High Wattage
	H3 24V HD	24	70 W	PK22s	T3.25	1750		1	C		■	■	Heavy Duty
	H3 35W	12	35 W	PK22s	T3.25	750		1	C				Standard
	H3 BULLET	12	55 W	PK22s	T3.25	1450		1	C				Bullet Terminal
	H3HD	12	55 W	PK22s	T3.25	1450		1	C	■	■	■	Heavy Duty
	H71070181*	12	100 W	PK22s	T3.25			2	P				Extreme White XB
	H71070662*	12	55 W	PK22s	T3.25			2	P				Extreme Yellow XY
	H71071312*	12	55 W	PK22s	T3.25			2	P				Extreme White XB
	H83300032	12	55 W	PK22s	T3.25	1450	3600	2	P	■	■	■	HP2.0
	H3P50	12	55 W	PK22s	T3.25	1600		1	C	■	■	■	Plus 50

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H3C	H71071322*	12	55 W	P22d	T3.25			2	P				Extreme White XB
	H71071332*	12	80 W	P22d	T3.25			2	P				Extreme White XB
	H71071342*	12	55 W	P22d	T3.25			2	P				Extreme Yellow XY

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range   For more information please visit **www.myhellalights.com**

H4
HS1, HB2, 9003, 1210

Ø 17 max.
60 max.
32

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H4	12	60/55 W	P43t	T4.625	1650/1000	3200	1	C		■	■	Standard
H4 100/55W	12	100/55 W	P43t	T4.625	2400/1000		1	C				High Wattage
H4 100/80W	12	100/80 W	P43t	T4.625			1	C				High Wattage
H4 130/90W	12	130/90 W	P43t	T4.625	3200/1600		1	C				High Wattage
H4 24V	24	75/70 W	P43t	T4.625	1900/1200		1	C		■	■	Standard
H4 24V 100/90W	24	100/90 W	P43t	T4.625			1	C				High Wattage
H4 24V HD	24	75/70 W	P43t	T4.625	1900/1200		1	C		■	■	Heavy Duty
H4 24V LL	24	75/70 W	P43t	T4.625	1900/1200		1	C		■	■	Long Life
H4 35/35W	12	35/35 W	P43t	T4.625	825/525		1	C				Standard
H4 45/45W	12	45/45 W	P43t	T4.625			1	C				Standard
H4 P45T	12	60/55 W	P45t	T4.625	1650/1000		1	C				Standard
H71070201*	12	100/80 W	P43t	T4.625			2	P				Extreme White XB
H71070682*	12	60/55 W	P43t	T4.625			2	P				Extreme Yellow XY
H71071352*	12	60/55 W	P43t	T4.625			2	P				Extreme White XB
H4P50	12	60/55 W	P43t	T4.625	1815/1100		1	C		■	■	+ 50

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

H7

Ø 11.6 max.
25
44
16
26

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H7	12	55 W	PX26d	T4.625	1350		1	C	■	■	■	Standard
H7 100W	12	100 W	PX26d	T4.625	2000		1	C				High Wattage
H7 24V	24	70 W	PX26d	T4.625	1750		1	C		■	■	Standard
H7 24V LL	24	70 W	PX26d	T4.625	1750		1	C		■	■	Long Life
H7 70W	12	70 W	PX26d	T4.625	1800		1	C				High Wattage
H71070307*	12	100 W	PX26d	T4.625			2	P				Extreme White XB
H71070702*	12	55 W	PX26d	T4.625			2	P				Extreme Yellow XY
H71071362*	12	55 W	PX26d	T4.625			2	P				Extreme White XB
H7LL	12	55 W	PX26d	T4.625	1500		1	C	■	■	■	Long Life
H83300042	12	55 W	PX26d	T4.625	1500	3700	2	P	■	■	■	HP2.0
H7P50	12	55 W	PX26d	T4.625	1560		1	C	■	■	■	+ 50

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

H8

Ø 11.7 max.
25
43
15
24
19

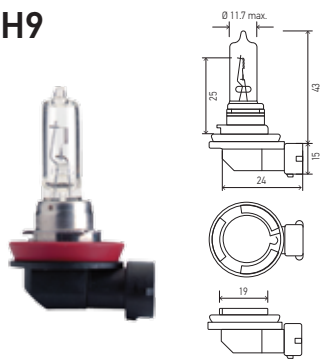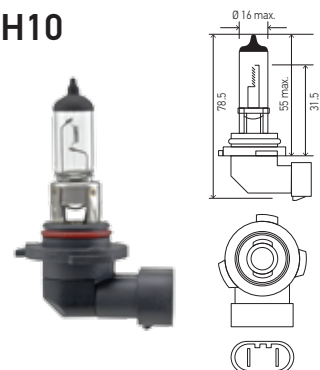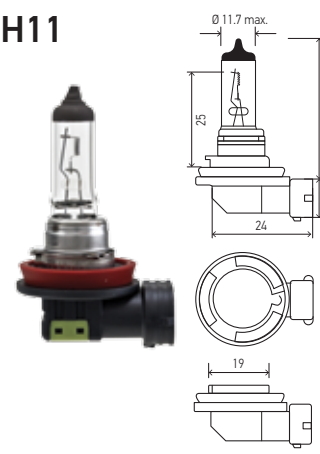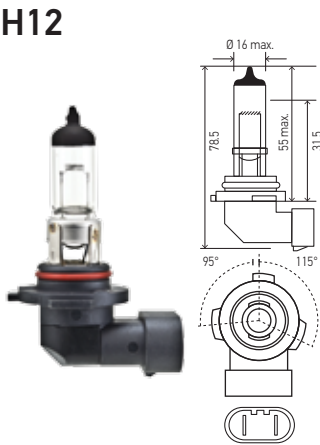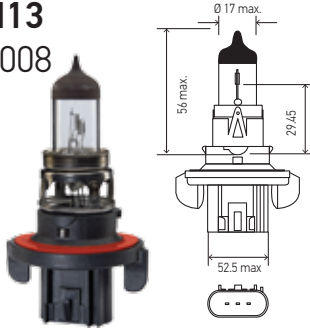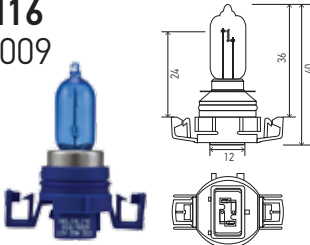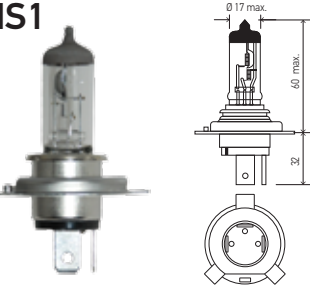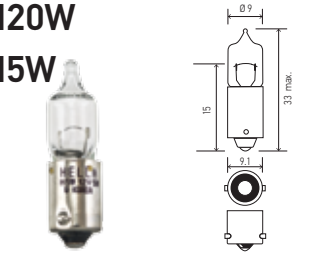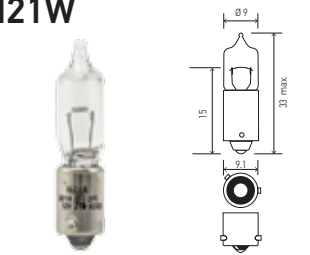| Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H8	12	55 W	PGJ19-1	T4	800		1	C	■	■		Standard
H71070772*	12	55 W	PGJ19-1	T4			2	P				Extreme White XB
H71071072*	12	35 W	PGJ19-1	T4			2	P				Extreme Yellow XY
H71071372*	12	35 W	PGJ19-1	T4			2	P				Extreme White XB
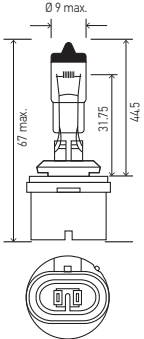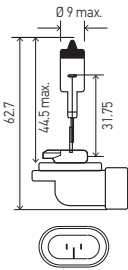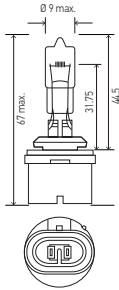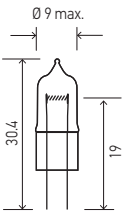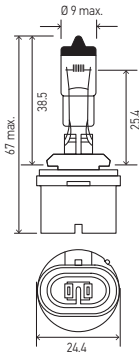
LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

For more information please visit **www.myhellalights.com**

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H9	**H9**	12	65 W	PGJ19-5	T4	2100		1	C	■	■		Standard
	H71070792*	12	100 W	PGJ19-5	T4			2	P				Extreme White XB
	H71071092*	12	65 W	PGJ19-5	T4			2	P				Extreme Yellow XY
	H71071382*	12	65 W	PGJ19-5	T4			2	P				Extreme White XB
	H83300052	12	65 W	PGJ19-5	T4	2100	3700	2	P	■	■		HP2.0
HIGH BEAM, SPOTLIGHT													
H10	**H10**	12	45 W	PY20d	T4	850		1	C		■		Standard
	H71071012*	12	65 W	PY20d	T4			2	P				Extreme White XB
	H71071112*	12	42 W	PY20d	T4			2	P				Extreme Yellow XY
	H71071252*	12	42 W	PY20d	T4			2	P				Extreme White XB
LOW BEAM													
H11	**H11**	12	55 W	PGJ19-2	T4	1350		1	C	■	■		Standard
	H11 24V	24	70 W	PGJ19-2	T4	1600		1	C		■		Standard
	H11LL	12	55 W	PGJ19-2	T4	1350		1	C	■	■		Long Life
	H71071032*	12	80 W	PGJ19-2	T4			2	P				Extreme White XB
	H71071132*	12	55 W	PGJ19-2	T4			2	P				Extreme Yellow XY
	H71071262*	12	55 W	PGJ19-2	T4			2	P				Extreme White XB
	H83300012	12	55 W	PGJ19-2	T4	1350	3700	2	P	■	■		HP2.0
	H11P50	12	55 W	PGJ19-2	T4	1450		1	C	■	■		+ 50
LOW BEAM													
H12	**H12**	12	55 W	PZ20d	T4	1050		1	C		■		Standard
LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)													

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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
H13 9008	H13	12	60/55 W	P26.4t	T4	1700/1100		1	C	■	■		Standard
	H71071052*	12	100/80 W	P26.4t	T4			2	P				Extreme White XB
	H71071152*	12	60/55 W	P26.4t	T4			2	P				Extreme Yellow XY
	H71071272*	12	60/55 W	P26.4t	T4			2	P				Extreme White XB
	H83300022	12	60/55 W	P26.4t	T4	1700/1100	3700	2	P	■	■		HP2.0
	H13P50	12	60/55 W	P26.4t	T4	1650/1100		1	C	■	■		+ 50
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
H16 9009	H71071282*	12	35 W	PG20-3	T4			2	P				Extreme White XB
	H71071302*	12	35 W	PG20-3	T4			2	P				Extreme Yellow XY
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
HS1	HS1	12	35/35 W	PX43t	T4.625			1	C		■		Standard
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
H20W **H5W**	H20W	12	20 W	BA9s	T2.75	470		1	C				Standard
	H5W	12	5 W	BA9s	T2.75	80		1	C				Standard
	DIRECTIONAL FLASHING LIGHT AND REAR, FRONT AND SIDE												
H21W	H21W	12	21 W	BAY9s	T2.75	600		1	C	■	■		Standard
	DIRECTIONAL FLASHING LIGHT AND REAR, FRONT AND SIDE												
H6W	H6W	12	6 W	BAX9s	T2.75	125		1	C		■		Standard
	PARKING LIGHT												

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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics

880

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
880	12	27 W	PG13	T3.25	540		1	C	■	■		Standard
H71071172*	12	27 W	PG13	T3.25			2	P				Extreme Yellow XY
H71071212*	12	32 W	PG13	T3.25			2	P				Extreme White XB

Many 800 series bulbs are physically interchangeable but not electrically. Serious damage and blinding by glow may result from misuse of the bulb, so it is important to use only the specified bulb for every application.

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

881, 896, 898

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
881	12	27 W	PGJ13	T3.25	540		1	C	■	■		Standard
896	12	37.5 W	PGJ13	T3.25	940	3100	1	C				Standard
898	12	37.5 W	PGJ13	T3.25	750	3100	1	C				Standard
H71071182*	12	27 W	PGJ13	T3.25			2	P				Extreme Yellow XY
H71071222*	12	32 W	PGJ13	T3.25			2	P				Extreme White XB

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LOW BEAM, FOG LIGHT (IF APPLICABLE)

884, 885, 887, 890, 892

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
884	12	27 W	PG13	T3.25	540		1	C				Standard
885	12	50 W	PG13	T3.25	1250		1	C				Standard
887	12	50 W	PG13	T3.25	1190		1	C				Standard
890	12	27 W	PG13	T3.25	540	1100	1	C				Standard
892	12	16 W	PG13	T3.25	350		1	C				Standard

Many 800 series bulbs are physically interchangeable but not electrically. Serious damage and blinding by glow may result from misuse of the bulb, so it is important to use only the specified bulb for every application.

LOW BEAM, FOG LIGHT (IF APPLICABLE)

891

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
891	12	8 W	G4	T3.25	135	3100	1	C				Standard

LOW BEAM, FOG LIGHT (IF APPLICABLE)

893

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
893	12	37.5 W	PG13	T3.25	940		1	C				Standard
H71071192*	12	37.5 W	PG13	T3.25			2	P				Extreme Yellow XY
H71071232*	12	37.5 W	PG13	T3.25			2	P				Extreme White XB

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LOW BEAM, FOG LIGHT (IF APPLICABLE)

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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics

862, 886, 888, 889, 894
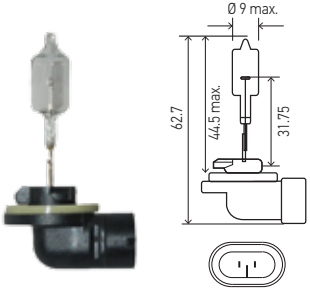
	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
	862	12	37.5 W	PGJ13	T3.25	750		1	C				Standard
	886	12	50 W	PGJ13	T3.25	1190		1	C				Standard
	888	12	50 W	PGJ13	T3.25	540		1	C				Standard
	889	12	27 W	PGJ13	T3.25	540		1	C				Standard
	894	12	37.5 W	PGJ13	T3.25	940		1	C				Standard

Many 800 series bulbs are physically interchangeable but not electrically. Serious damage and blinding by glow may result from misuse of the bulb, so it is important to use only the specified bulb for every application.

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)
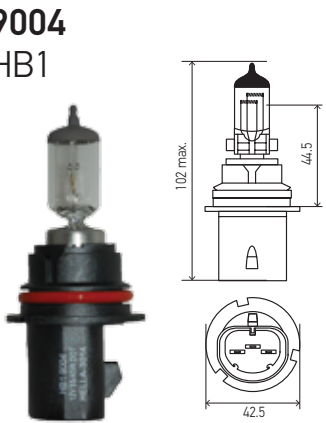
9003
HB2, H4
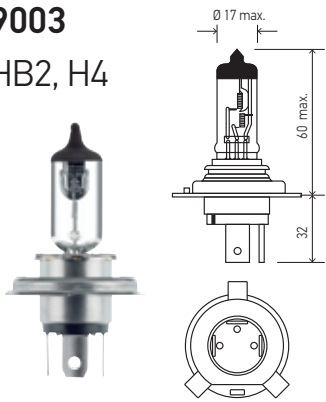
	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
	9003	12	60/55 W	P43t	T4.625	1500/910		1	C	■			Standard
	9003LL	12	60/55 W	P43t	T4.625	1500/910		1	C	■			Long Life
	H83300072*	12	60/55 W	P43t	T4.625	1500/910	3600	2	P	■	■	■	HP2.0

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

9004
HB1

	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
	9004	12	65/45 W	P29t	T4.625	1200/700		1	C	■		■	Standard
	9004 100/80W	12	100/80 W	P29t	T4.625	1600/1300		1	C				High Wattage
	9004LL	12	65/45 W	P29t	T4.625	1200/700		1	C	■		■	Long Life
	H71071392	12	65/45 W	P29t	T4.625			2	P				Extreme White XB
	H83300062*	12	65/45 W	P29t	T4.625	1200/700	3700	2	P	■		■	HP2.0
	9004P50	12	65/45 W	P29t	T4.625	1250/765		1	C	■		■	Plus 50
	H71070327*	12	100/80 W	P29t	T4.625			2	P				Extreme White XB
	H71070562*	12	65/45 W	P29t	T4.625			2	P				Extreme Yellow XY

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

9005
HB3
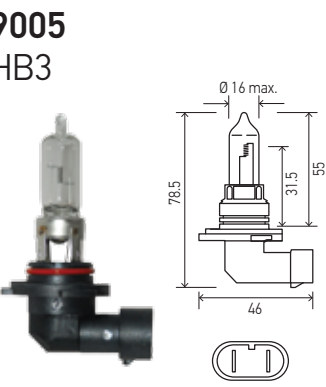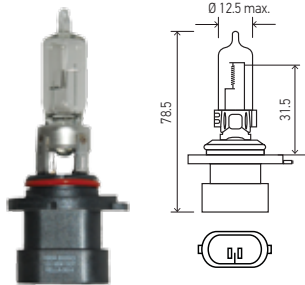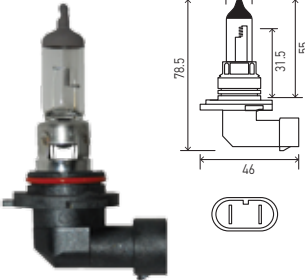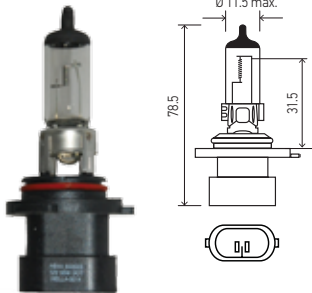
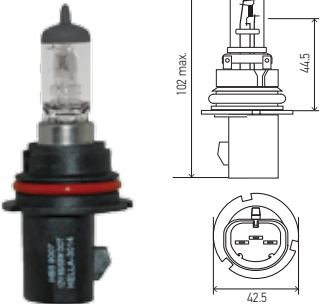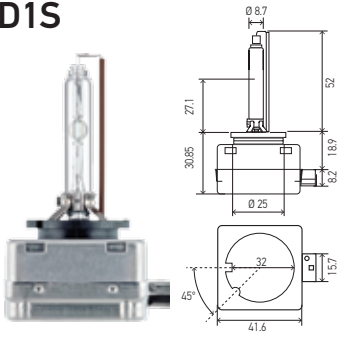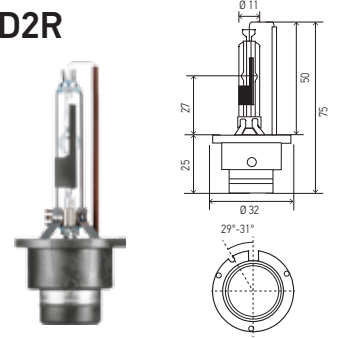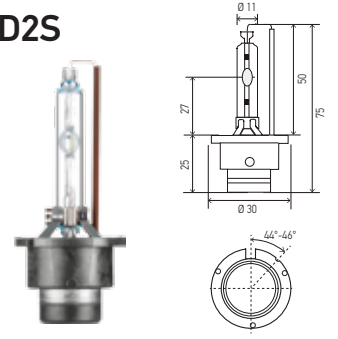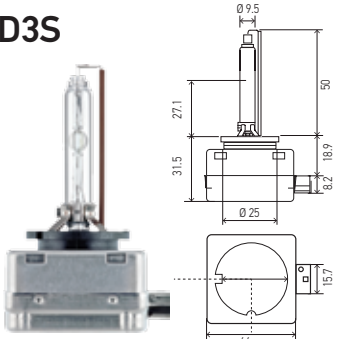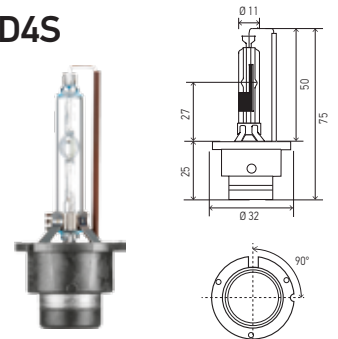|	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
	9005	12	65 W	P20d	T4	1860		1	C	■	■	■	Standard
	9005 100W	12	100 W	P20d	T4	2200		1	C				High Wattage
	9005LL	12	65 W	P20d	T4	1860		1	C	■	■	■	Long Life
	H71071402*	12	65 W	P20d	T4			2	P				Extreme White XB
	H83300082	12	65 W	P20d	T4	1860	3700	2	P	■	■	■	HP2.0
	9005P50	12	65 W	P20d	T4	2000		1	C	■	■	■	Plus 50
	H71070347*	12	100 W	P20d	T4			2	P				Extreme White XB
	H71070582*	12	65 W	P20d	T4			2	P				Extreme Yellow XY
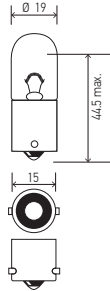
LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
9005XS HB3A	9005XS	12	65 W	P20d	T4	1860		1	C	■	■	■	Standard
	H71071412*	12	65 W	P20d	T4			2	P				Extreme White XB
	H71071422*	12	100 W	P20d	T4			2	P				Extreme White XB
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
9006 HB4	9006	12	55 W	P22d	T4	1095		1	C	■	■	■	Standard
	9006 80W	12	80 W	P22d	T4	1650		1	C				High Wattage
	9006LL	12	55 W	P22d	T4	1095		1	C	■	■	■	Long Life
	H71071432*	12	55 W	P22d	T4		3700	2	P				Extreme White XB
	H83300092	12	55 W	P22d	T4	1095		2	P	■	■	■	HP2.0
	9006P50	12	55 W	P22d	T4	1200		1	C	■	■	■	+ 50
	H71070367*	12	80 W	P22d	T4			2	P				Extreme White XB
	H71070602*	12	55 W	P22d	T4			2	P				Extreme Yellow XY
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
9006XS HB4A	9006XS	12	55 W	P22d	T4	1095		1	C	■	■	■	Standard
	H71071442*	12	55 W	P22d	T4			2	P				Extreme White XB
	H71071452*	12	80 W	P22d	T4			2	P				Extreme White XB
	H71071462*	12	55 W	P22d	T4			2	P				Extreme Yellow XY
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
9007 HB5	9007	12	65/55 W	PX29t	T4.625	1350/1000		1	C	■			Standard
	9007 100/80W	12	100/80 W	PX29t	T4.625	1800/1500		1	C				High Wattage
	9007LL	12	65/55 W	PX29t	T4.625	1350/1000		1	C	■			Long Life
	H71071472*	12	65/55 W	PX29t	T4.625			2	P				Extreme White XB
	H83300102	12	65/55 W	PX29t	T4.625	1350/1000	3700	2	P	■			HP2.0
	9007P50	12	65/55 W	PX29t	T4.625	1450/1100		1	C	■			+ 50
	H71070387*	12	100/80 W	PX29t	T4.625			2	P				Extreme White XB
	H71070622*	12	60/55 W	PX29t	T4.625			2	P				Extreme Yellow XY
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
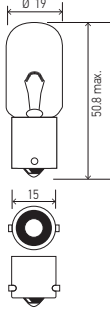
C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

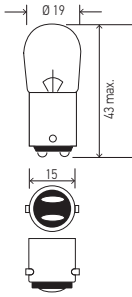For more information please visit **www.myhellalights.com**

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
D1S	009028111	12/24	35 W	PK32d-2	T3	3,200	4300	1	C		■		Standard
	009028621	12/24	35 W	PK32d-2	T3		5000	1	C		■		+30
	LOW BEAM, HIGH BEAM												
D2R	007001241	12/24	35 W	P32d-3	T3	2,800	5000	1	C		■		+30
	007001151	12/24	35 W	P32d-3	T3	3,200	4300	1	C				Standard
	LOW BEAM, HIGH BEAM												
D2S	007949251	12/24	35 W	P32d-2	T2-3/4		5000	1	C				+30
	007949261	12/24	35 W	P32d-2	T2-3/4	3,200	4300	1	C				Standard
	LOW BEAM, HIGH BEAM												
D3S	009028311	12/24	35 W	P32d-2	T3	3,200	4300	1	C		■		Standard
	LOW BEAM, HIGH BEAM												
D4S	007949311	12/24	35 W	P32d-5	T2-3/4	2,800	4300	1	C				Standard
	LOW BEAM, HIGH BEAM												
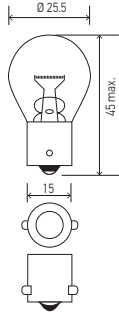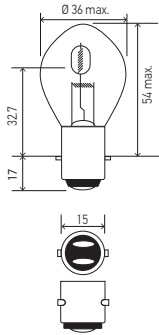
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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA15d	**90**	12	8 W	BA15d	G6	125		10	C	■			Standard
	1224	12	5 W	BA15d	G6	125		10	C	■			Standard
	BRAKE LIGHT, TAIL LIGHT												
BA15d	**1004**	12	12.8 W	BA15d	B6			10	C	■			Standard
	PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT,TRUNK LIGHT												
BA15d	**1176**	12	17/8 W	BA15d	S8			10	C	■			Standard
	1176A	12	16/8 W	BA15d	S8			10	C	■			Standard (Amber)
	BRAKE LIGHT, TAIL LIGHT												
BA15s	**63**	6	4 W	BA15s	G6			10	C	■			Standard
	631	12	9 W	BA15s	G6			10	C	■			Standard
	67	12	8 W	BA15s	G6			10	C	■			Standard
	89	12	8 W	BA15s	G6			10	C	■			Standard
	97	12	9 W	BA15s	G6			10	C	■			Standard
	PARKING LIGHT, LICENSE PLATE LIGHT												
BA15s	**5007**	12	5 W	BA15s	B6			10	C	■	■		Standard
	5008	12	10 W	BA15s	B6			10	C	■	■		Standard
	5627	24	5 W	BA15s	B6			10	C	■	■		Standard
	5637	24	10 W	BA15s	B6			10	C	■	■		Standard
	5637HD	24	10 W	BA15s	B6			10	C	■	■		Heavy Duty
	PARKING LIGHT, LICENSE PLATE LIGHT												

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Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA15s	Ø 19 / 44.5 max. / 15	1003	12	12 W	BA15s	B6			10	C	■			Standard
		1003LL	12	12 W	BA15s	B6			10	C	■			Long Life
		1308	24	16 W	BA15s	B6					■			Standard
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT,TRUNK LIGHT												
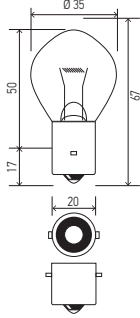
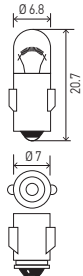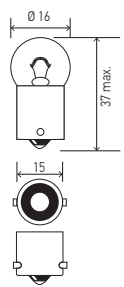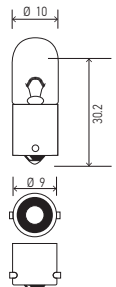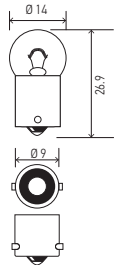| Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA15s	Ø 19 / 50.8 max. / 15	3497	12	25 W	BA15s	T6			10	C	■			Standard
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT,TRUNK LIGHT												
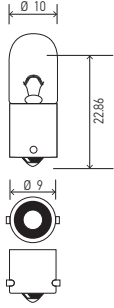
Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA15s P21W PY21W	Ø 25,5 / 45 max. / 15	93	12	13 W	BA15s	S8			10	C	■			Standard
		199	12	29 W	BA15s	S8			10	C	■			Standard (35 MSCP)
		1073	12	23 W	BA15s	S8			10	C	■			Standard
		1141	12	18 W	BA15s	S8			10	C	■			Standard
		1141 24V	24	18 W	BA15s	S8			10	C	■			Standard
		1141LL	12	18 W	BA15s	S8			10	C	■			Long Life
		1156	12	27 W	BA15s	S8			10	C	■			Standard
		1156LL	12	27 W	BA15s	S8			10	C	■			Long Life
		1156NA	12	27 W	BA15s	S8			10	C	■			Standard (Amber)
		1683	24	29 W	BA15s	S8			10	C	■			Standard
		2396	12	29 W	BA15s	S8			10	C	■			Standard (40 MSCP)
		7506A	12	21 W	BA15s	S8			10	C				Standard (Amber)
		7506	12	21 W	BA15s	S8			10	C	■	■		Standard
		7511	24	21 W	BA15s	S8			10	C	■	■		Standard
		7506NA	12	21 W	BA15s	S8			10	C				Standard (Amber)
		FLASHING LIGHT, BRAKE LIGHT, REAR FOG LIGHT, REVERSING LIGHT, TURN SIGNAL												
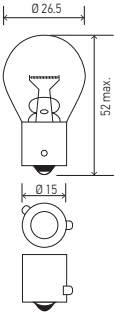
Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA20d S2	Ø 36 max. / 54 max. / 32.7 / 17 / 15	6235	12	35/35 W	BA20d	B11			1	C			■	Standard
		6245	12	45/40 W	BA20d	B11			1	C				Standard
		6260	12	60/60 W	BA20d	B11			10	C				Standard (High W.)
		LOW BEAM, HIGH BEAM												
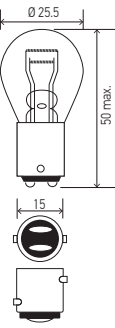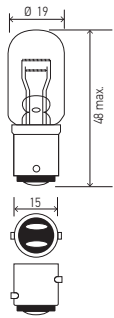
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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA20s	**660**	12	60 W	BA20s	B11			1	C				Standard (High W.)
	635	12	35 W	BA20s	B11			1	C				Standard
LOW BEAM, HIGH BEAM													
BA7s	**3799**	6	1 W	BA7s	T2			10	C				Standard
	3898	12	2 W	BA7s	T2			10	C				Standard
	3899	24	3 W	BA7s	T2			10	C				Standard
DASHBOARD LIGHT													
BA9s	**51**	6	12 W	BA9s	G3.5			10	C	■			Standard
	53	12	2 W	BA9s	G3.5			10	C	■			Standard
	57	12	3 W	BA9s	G4.5			10	C	■		■	Standard
	265	24	2 W	BA9s	G3.5			10	C	■			Standard
	1445	12	2 W	BA9s	G3.5			10	C	■			Standard
PARKING LIGHT, DASHBOARD LIGHT													
BA9s	**1816**	12	4 W	BA9s	T3.25			10	C	■			Standard
	1891	12	3 W	BA9s	T3.25			10	C	■			Standard
	1893	12	5 W	BA9s	T3.25			10	C	■			Standard
PARKING LIGHT													
BA9s	**1895**	12	4 W	BA9s	G4.5			10	C	■			Standard
PARKING LIGHT, DASH BOARD LIGHT													

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Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BA9s	3796	12	2 W	BA9s	T2.75			10	C			■	Standard
	3797	24	2 W	BA9s	T2.75			10	C				Standard
	3893	12	4 W	BA9s	T2.75			10	C	■	■		Standard
	3930	24	4 W	BA9s	T2.75			10	C	■	■		Standard
PARKING LIGHT													
BAU15s P21W PY21W	7507C	12	21 W	BAU15s	S8			10	C				Standard
	7507	12	21 W	BAU15s	S8			10	C	■	■		Standard
	7510LTS	24	21 W	BAU15s	S8			10	C				Heavy Duty
	9507	24	21 W	BAU15s	S8			10	C	■	■		Standard (Amber)
SIGNAL LIGHT FRONT SIDE AND BACK													
BAY15d	198HD	12	29/10 W	BAY15d	S8			10	C	■			Heavy Duty
	1034	12	23/8 W	BAY15d	S8			10	C	■			Standard
	1034A	12	23/8 W	BAY15d	S8			10	C	■			Standard (Amber)
	1034NA	12	23/8 W	BAY15d	S8			10	C	■			Standard (Amber)
	1157	12	27/8 W	BAY15d	S8			10	C	■			Standard
	1157LL	12	27/8 W	BAY15d	S8			10	C	■			Long Life
	1157A	12	27/8 W	BAY15d	S8			10	C	■			Standard
	1157NA	12	27/8 W	BAY15d	S8			10	C	■			Standard (Amber)
	1157NALL	12	27/8 W	BAY15d	S8			10	C	■			Long Life (Amber)
	2057	12	27/7 W	BAY15d	S8			10	C	■			Standard
	2057LL	12	27/7 W	BAY15d	S8			10	C	■			Long Life
	2057NA	12	27/7 W	BAY15d	S8			10	C	■			Standard (Amber)
	2057NALL	12	27/7 W	BAY15d	S8			10	C	■			Long Life (Amber)
	2357	12	29/8 W	BAY15d	S8			10	C	■			Standard
	2357LL	12	29/8 W	BAY15d	S8			10	C	■			Long Life
	2357NA	12	29/8 W	BAY15d	S8			10	C	■			Standard (Amber)
	2397	12	29/8 W	BAY15d	S8			10	C	■			Standard
BRAKE LIGHT, REAR POSITION													
BAY15d	3496	12	27/8 W	BAY15d	T6			10	C	■			Standard
LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)													
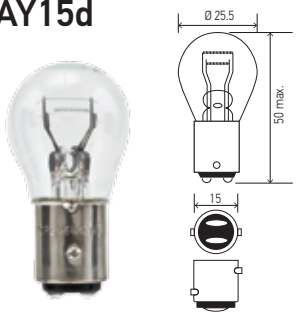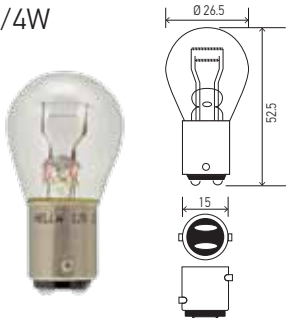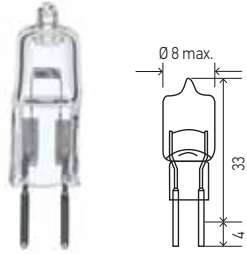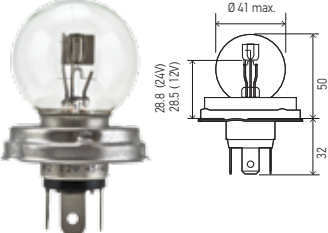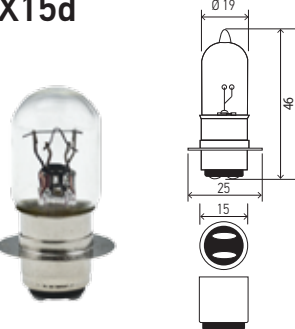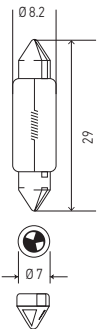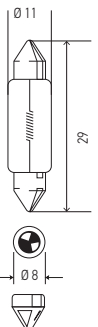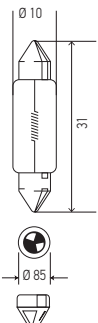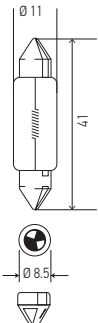
C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
BAY15d		7528	12	21/5 W	BAY15d	S8			10	C		■	■	Standard
		7537	24	21/5 W	BAY15d	S8			10	C		■	■	Standard
		BRAKE LIGHT, REAR POSITION LIGHT												
BAZ15d P21/4W		7225	12	21/4 W	P21/4W	S8			10	C		■	■	Standard
		POSITION LIGHT, REAR FOG LIGHT, STOP LIGHT												
G4		JC20	12	20 W	G4	T3			10	C				Standard
		JC5	12	5 W	G4	T3			10	C				Standard
		JC10	12	10 W	G4	T3			10	C				Standard
		LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
P45t R2		7951	12	45/40 W	P45t	S13			10	C		■	■	Standard
		7951 55/50W	12	55/50 W	P45t	S13			10	C				Standard
		7952	24	55/50 W	P45t	S13			10	C			■	Standard
		LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
PX15d		A3603	12	25/25 W	PX15d	T6			1	C				Standard
		A3625	6	25/25 W	PX15d	T6			1	C				Standard
		LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												

C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range   For more information please visit **www.myhellalights.com**

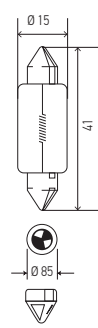| Product image / Dimensions		Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
SV7-8	Ø 8.2 / 29 / Ø 7	DE3021	12	3 W	SV7-8	T2.25			10	C	■			Standard (8x29mm)
		DE3022	12	5 W	SV7-8	T2.25			10	C	■			Standard (8x29mm)
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT, INTERIOR LIGHT, TRUNK LIGHT												
SV7-8	Ø 11 / 29 / Ø 8	6428	12	3 W	SV7-8	T2.5			10	C				Standard (8x28mm)
		6430	24	3 W	SV7-8	T2.5			10	C				Standard (8x29mm)
		6438	12	10 W	SV7-8	T2.5			10	C				Standard (8x31mm)
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT, INTERIOR LIGHT, TRUNK LIGHT												
SV8.5-8	Ø 10 / 31 / Ø 85	DE3175	12	10 W	SV8.5-8	T3.25			10	C	■			Standard (10x31mm)
		DE3425	12	10 W	SV8.5-8	T3.25			10	C	■			Standard (13x37mm)
		6411	12	10 W	SV8.5-8	T3.25			10	C				Standard (10x41mm)
		6418	12	5 W	SV8.5-8	T3.25			10	C	■	■		Standard (10x35mm)
		6423	24	5 W	SV8.5-8	T3.25			10	C	■	■		Standard (10x35mm)
		6429	24	10 W	SV8.5-8	T3.25			10	C				Standard (11x41mm)
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT, INTERIOR LIGHT, TRUNK LIGHT												
SV8.5-8	Ø 15 / 41 / Ø 85	6451	12	15 W	SV8.5-8	T4.625			10	C				Standard (15x44mm)
		6453	24	15 W	SV8.5-8	T4.625			10	C				Standard (15x44mm)
		6475	12	18 W	SV8.5-8	T4.625			10	C				Standard (15x41mm)
		6476	12	21 W	SV8.5-8	T4.75			10	C		■		Standard (15x43mm)
		6480	24	18 W	SV8.5-8	T4.625			10	C				Standard (15x43mm)
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT, INTERIOR LIGHT, TRUNK LIGHT												
SV8.5-8 C5W	Ø 11 / 41 / Ø 8.5	6413	12	5 W	SV8.5-8	T3.25			10	C				Standard (11x41mm)
		6424	24	5 W	SV8.5-8	T3.25			10	C				Standard (11x41mm)
		PARKING LIGHT, LICENSE PLATE LIGHT, GLOVE BOX LIGHT, INTERIOR LIGHT, TRUNK LIGHT												
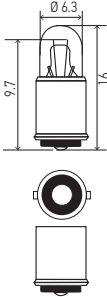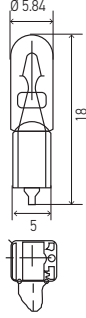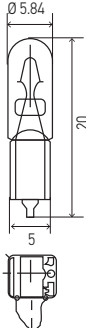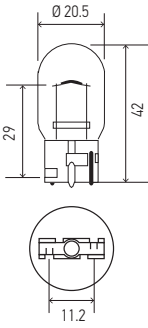
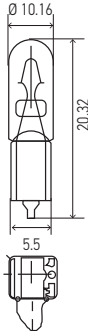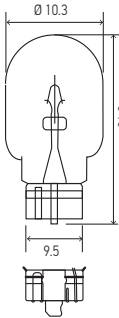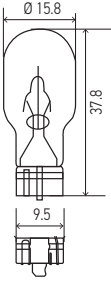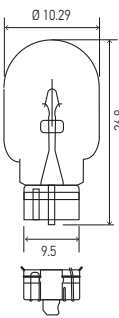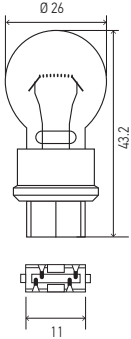C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

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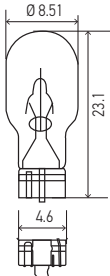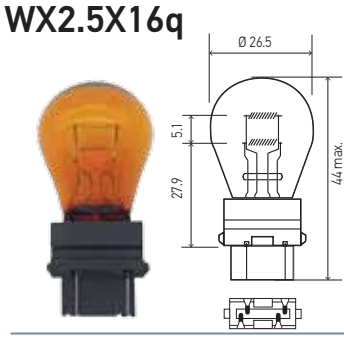| Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
SX6s8	**330**	12	1 W	SX6s8	T1.75			10	C	■			Standard
	LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)												
W2.1x4.9d	**17**	24	2 W	W2.1x4.9d	T1.75			10	C	■			Standard
	73	12	1.1 W	W2.1x4.9d	T1.75			10	C	■			Standard
	74	12	1.4 W	W2.1x4.9d	T1.75			10	C	■		■	Standard
	LUZ DE TABLERO												
W2.1x9.5d	**158**	12	3 W	W2.1x9.5d	T3.25			10	C	■			Standard
	158A	12	3 W	W2.1x9.5d	T3.25			10	C	■			Standard (Amber)
	168	12	5 W	W2.1x9.5d	T3.25			10	C	■			Standard
	194	12	4 W	W2.1x9.5d	T3.25			10	C	■			Standard
	194B	12	4 W	W2.1x9.5d	T3.25			10	C	■			Standard (azul)
	194G	12	4 W	W2.1x9.5d	T3.25			10	C	■			Standard (verde)
	194NA	12	4 W	W2.1x9.5d	T3.25			10	C	■			Standard (Amber at.)
	194R	12	4 W	W2.1x9.5d	T3.25			10	C	■			Standard (rojo)
	400	24	3 W	W2.1x9.5d	T3.25			10	C	■			Standard
	LUZ DE TABLERO												
W2.1x9.5d	**912**	12	13 W	W2.1x9.5d	T5			10	C	■			Standard
	921	12	16 W	W2.1x9.5d	T5			10	C	■	■		Standard
	PARKING LIGHT												
W2.1x9.5d	**2820**	12	2 W	W2.1x9.5d	T3.25			10	C				Standard
	2821	12	3 W	W2.1x9.5d	T3.25			10	C		■	■	Standard
	2825	12	5 W	W2.1x9.5d	T3.25			10	C		■	■	Standard
	2825BL	12	5 W	W2.1x9.5d	T3.25			10	C				Standard (Azul)
	2827NA	12	5 W	W2.1x9.5d	T3.25			10	C		■		Standard (Amber)
	2841	24	3 W	W2.1x9.5d	T3.25			10	C		■	■	Standard
	2845	24	5 W	W2.1x9.5d	T3.25			10	C		■	■	Standard
	3652	12	5 W	W2.1x9.5d	T3.25			10	C				Standard
	PARKING LIGHT, DASHBOARD LIGHT, LICENSE PLATE LAMP, GLOVE LIGHT, FLASHER FURTHER, INTERIOR LIGHT												

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W2.5x16d

Ø 26 · 43.2 · 11

Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
3156	12	27 W	W2.5x16d	S8			10	C	■	■		Standard
4157LL	12	29/8 W	W2.5x16d	S8			10	C	■			Long Life
3047	12	21/7 W	W2.5X16q	S8			10	C	■			Standard
3047LL	12	21/7 W	W2.5X16q	S8			10	C	■			Long Life
3057	12	27/7 W	W2.5x16q	S8			10	C	■			Standard
3157	12	27/7 W	W2.5x16q	S8			10	C	■			Standard
3157LL	12	27/7 W	W2.5x16q	S8			10	C	■	■		Long Life
3157NA	12	27/7 W	W2.5x16q	S8			10	C	■			Standard (Amber nat.)
3457	12	29/8 W	W2.5x16q	S8			10	C	■			Standard
3457NA	12	29/8 W	W2.5x16q	S8			10	C	■			Standard (Amber nat.)

LUZ INTERMITENTE Y DIRECCIONAL TRASERA

W2x4.6d

Ø 8.51 · 23.1 · 4.6

Part No.	Voltage	Wattage	Base	Form	...	Package	Contents	DOT	...	Characteristics
24	12	3 W	W2x4.6d	T2.75		10	C	■		Standard
24NA	12	3 W	W2x4.6d	T2.75		10	C	■		Standard (Amber.)

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

W2x4.6d

Ø 5.84 · 18 · 5

Part No.	Voltage	Wattage	Base	Form	...	Package	Contents	DOT	...	Characteristics
37	12	1.3 W	W2X4.6d	T1.75		10	C	■		Standard

LOW BEAM, HIGH BEAM, FOG LIGHT (IF APPLICABLE)

W2x4.6d

Ø 5.84 · 20 · 5

Part No.	Voltage	Wattage	Base	Form	...	Package	Contents	DOT	ECE	INMETRO	Characteristics
2721	12	1.2 W	W2x4.6d	T1.5		10	C	■		■	Standard
2722	12	21 W	W2x4.6d	T1.5		10	C			■	Standard
2723	12	2.3 W	W2x4.6d	T1.5		10	C		■		Standard
2741	24	1.2 W	W2x4.6d	T1.5		10	C				Standard

LUZ DE TABLERO

W3X16d

Ø 20.5 · 29 · 42 · 11.2

Part No.	Voltage	Wattage	Base	Form	...	Package	Contents	DOT	ECE	INMETRO	Characteristics
7440	12	21 W	W3X16d	T6.5		10	C	■	■	■	Standard
7440LL	12	21 W	W3X16d	T6.5		10	C	■	■	■	Long Life
7440NA	12	21 W	W3X16d	T6.5		10	C	■	■		Standard (Amber)
7441	12	27 W	W3X16d	T6.5		10	C	■			Standard

LUZ DE POSICIÓN TRASERA, LUZ DE FRENADO

C = Carton   B = Blister   P = Plastic Case   * = OPTILUX Product Range

For more information please visit **www.myhellalights.com**

Product image / Dimensions	Part No.	Voltage	Wattage	Base	Form	Lumens	Kelvin	Package	Contents	DOT	ECE	INMETRO	Characteristics
WX2.5X16q	**3757A**	12	27/7 W	WX2.5X16q	S8			10	C	■			Standard (Amber)

Ø 26.5 · 5.1 · 27.9 · 44 max.

FLASHING LIGHT AND DIRECTIONAL, REAR STOP LAMP

DISPLAYS

Bulb Display

Ask your sales representative for the new
HELLA display and purchase them today!

→ Attractive design. It contains 14 cavities to accommodate
   different sizes and miniature halogen bulbs
→ It includes mounts for wall hanging
→ Dimensions 1.5' (W) x 0.5' (D) x 1.7' (H)
→ Made of sturdy cardboard
→ It includes assembly instructions

Part Number	Discription
M6–115	Bulb Display
	Dimensions: 1.5' (W) x 0.5' (D) x 1.7' (H)
	44.5x 17.5x 54 cm

HIGH PERFORMANCE 2.0

UNDISPUTED PERFORMANCE

HELLA's new HP 2.0 Bulbs have been re-engineered to produce a brighter, whiter light which allows the driver to see more contrast in objects on the road, increasing safety and reaction time. These DOT compliant bulbs have been manufactured under strict HELLA guidelines and are an optimal balance of bulb performance and bulb life. The new HP 2.0 kits contain everything you need to get the job done.

Features:

→ More 100% longer life time than standard bulbs*
→ Meets global standard (ECE R37 & SAE/DOT and INMETRO regulation).
→ Specially designed by halogen mixing gas & filament.
→ Color temperature: 3,600 K
→ The set includes: Pair of High Performance 2.0 bulbs, Gloves (to protect your bulbs), Silicone Grease (prevents false contacts)

* Compared to standard bulbs HELLA

HELLA Standard bulbs

HELLA High Performance 2.0

Our **HELLA High Performance 2.0** product range:

Part number	Type	Voltage	Power	Base	Content	Packaging	DOT	ECE	INMETRO
H83300002	H1	12 V	55 W	P14.5s	1	P	■	■	007691/2013
H83300032	H3	12 V	55 W	PK22s	1	P	■	■	007696/2013
H83300072	H4 HB2 9003	12 V	60/55 W	P43t	1	P	■	■	007697/2013
H83300042	H7 12V	12 V	55 W	PX26d	1	P	■	■	007698/2013
H83300052	H9 12V	12 V	65 W	PGJ19-5	1	P	■	■	-
H83300012	H11 12V	12 V	55 W	PGJ19-2	1	P	■	■	-
H83300022	H13 9008	12 V	60/55 W	P26.4t	1	P	■	■	-
H83300062	9004 HB1	12 V	65/45W	P29t	1	P	■		007699/2013
H83300082	9005 HB3	12 V	65 W	P20d	1	P	■	■	007700/2013
H83300092	9006 HB4	12 V	55 W	P22d	1	P	■	■	007701/2013
H83300102	9007 HB5	12 V	65/55W	PX29t	1	P	■		-

C = Box package   B = Blister pack   P = Plastic Case

Re-engineered filament for greater light output*

High quality quartz glass with a specialized blue coating

Exclusive halogen gas formulation for improved performance*

Scan the QR code to watch the HP 2.0 video

Segurança Desempenho

I.Q.A. OCP 0009

INMETRO

Nº Registro 007 694/2013

+50

PERFORMANCE: FOR MORE LIGHT

The HELLA +50 version produces 50 percent more light (compared to standard bulbs*) and extends the light cone, giving performance-oriented drivers additional safety time in case of an emergency situation.

Features:

→ More 50% longer life time than standard bulbs*
→ Meets global standard (ECE R37 & SAE/DOT and INMETRO regulation).
→ Filament design optimized
→ Wider and bright light
→ OE quality

* Compared to standard bulbs HELLA

Some examples of the product range:

H4P50

H13P50

Our **HELLA +50** product range:

Part number	Type	Voltage	Power	Base	Shape	Luminous Flux (lumen)	Content	Packaging	DOT	ECE	INMETRO
H1P50	H1	12 V	55 W	P14.5s	T2.5	1700	1	C	■	■	■
H3P50	H3	12 V	55 W	PK22s	T3.25	1600	1	C	■	■	■
H4P50	H4	12 V	60/55 W	P43t	T4.625	1815/1100	1	C		■	■
H7P50	H7	12 V	55 W	PX26d	T4.625	1560	1	C	■	■	■
H11P50	H11	12 V	55 W	PGJ19-2	T4	1450	1	C	■	■	
H13P50	H13	12 V	60/55 W	P26.4t	T4	1650/1100	1	C	■	■	
9004P50	9004	12 V	65/45 W	P29t	T4.625	1250/765	1	C	■		■
9005P50	9005	12 V	65 W	P20d	T4	2000	1	C	■	■	■
9006P50	9006	12 V	55 W	P22d	T4	1200	1	C	■	■	■
9007P50	9007	12 V	65/55 W	PX29t	T4.625	1450	1	C	■		

C = Box package   B = Blister pack   P = Plastic Case

HIGH WATTAGE

MORE POWER

The ideal bulbs for professionals who travel off-road, or make special demands on light power. Such as those in agriculture or forestry, or on building sites. In addition, HELLA light has been involved in many victories in 24-hour races.

Note: Please note that due to high voltage can generate overheating in the wiring of the headlight.

Features:

→ Longer service life
→ Environmentally friendly, because they do not have to be replaced as often.
→ Excellent luminous efficiency.
→ Excellent quality / price

* Compared to standard bulbs HELLA

Some examples of the product range:

Our **HELLA High Wattage** product range:

Part number	Type	Voltage	Power	Base	Shape	Luminous Flux (lumen)	Content	Packaging	DOT	ECE	INMETRO
H1 100W	H1	12 V	100 W	P14.5s	T2.5	1850	1	C			
H1 130W	H1	12 V	130 W	P14.5s	T2.5	2400	1	C			
H2 100W	H2	12 V	100 W	X511	T3		1	C			
H3 100W	H3	12 V	100 W	PK22s	T3.25	1850	1	C			
H3 130W	H3	12 V	130 W	PK22s	T3.25	2600	1	C			
H3 24V 100W	H3	12 V	100 W	PK22s	T3.25	2500	1	C			
H4 100/55W	H4	12 V	100/55 W	P43t	T4.625	2400/1000	1	C			
H4 100/80W	H4	12 V	100/80 W	P43t	T4.625		1	C			
H4 130/90W	H4	12 V	130/90 W	P43t	T4.625	3200/1600	1	C			
H4 24V 100/90W	H4	12 V	100/90 W	P43t	T4.625		1	C			
H7 100W	H7	12 V	100 W	PX26d	T4.625	2000	1	C			
H7 70W	H7	12 V	70 W	PX26d	T4.625	1800	1	C			
9004 100/80W	9004	12 V	100/80 W	P29t	T4.625	1600/1300	1	C			
9005 100W	9005	12 V	100 W	P20d	T4	2200	1	C			
9006 80W	9006	12 V	80 W	P22d	T4	1650	1	C			
9007 100/80W	9007	12 V	100/80 W	PX29t	T4.625	1800/1500	1	C			

9005 100W

9004 100/80W

C = Box package   B = Blister pack   P = Plastic Case

HEAVY DUTY

FOR HEAVY DUTY VEHICLES - DOUBLE POWER

Durability, resistance to vibrations with 24V power produces excellent light in a single filament. Heavy Duty bulbs offer more power, more safety, without dazzling vehicles.

Thanks to its power and increased lifespan, the replacement costs are reduced drastically.

Features:

→ Double power
→ 50% fewer spare parts
→ 50% less downtime
→ 50% less replacement time compared to standard light bulbs

Some examples of the product range:

* Compared to standard bulbs HELLA

Our **HELLA HEAVY DUTY** product range:

Part Number	Type	Voltage	Power	Base	Shape	Luminous Flux (lumen)	Content	Packaging	DOT	ECE	INMETRO
198HD	198	12 V	29/10 W	BAY15d	S8		10	C	■		
5637HD	5637	24 V	10 W	BA15s	B6		10	C		■	■
7510LTS	PY21W	24 V	21 W	BAU15s	S8		10	C			
H3 24V HD	H3	24 V	70 W	PK22s	T3.25	1750	1	C		■	■
H3HD	H3	12 V	55 W	PK22s	T3.25	1450	1	C	■	■	■
H4 24V HD	H4	24 V	75/70 W	P43t	T4.625	1900/1200	1	C		■	■

H4 24V HD
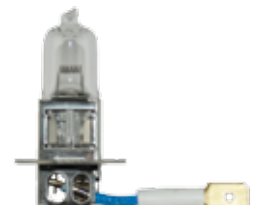
H3HD

C = Box package   B = Blister pack   P = Plastic Case

LONG LIFE

LIFE SPAN: FOR A LONGER LIFE SPAN

The special design of Long Life bulbs for passenger cars guarantees a longer service life, more light performance and reduced energy consumption, making them ideal for frequent drivers and permanent use of daytime running lights. Long Life represents bright but glare-free light. Good performance under extreme conditions encountered by construction machinery or off-road vehicles.

Long Life combines unusual sturdiness and vibration resistance with convincing brightness and long service life.

Features:

→ 200% longer life time than standard bulbs.
→ Specially designed by mixing halogen gas & filament.
→ Meets global standard (ECE R37 & SAE/DOT regulation).
→ Color temperature 3,200 K

* Compared to standard bulbs HELLA

Some examples of the product range:

H4 24LL

H13LL

Our **HELLA Long Life** product range:

Part number	Type	Voltage	Power	Base	Shape	Luminous flux (lumen)	Content	Packaging	DOT	ECE	INMETRO
H1LL	H1	12 V	55 W	P14.5s	T2.5	1550	1	C	■	■	■
H4 24V LL	H4	24 V	75/70 W	P43t	T4.625	1900/1200	1	C		■	■
H7 24V LL	H7	24 V	70 W	PX26d	T4.625	1750	1	C		■	■
H7LL	H7	12 V	55 W	PX26d	T4.625	1500	1	C	■	■	■
H11LL	H11	12 V	55 W	PGJ19-2	T4	1350	1	C	■	■	
9003LL	9003	12 V	60/55 W	P43t	T4.625	1500/910	1	C	■		
9004LL	9004	12 V	65/45 W	P29t	T4.625	1200/700	1	C	■		■
9005LL	9005	12 V	65 W	P20d	T4	1860	1	C	■	■	■
9006LL	9006	12 V	55 W	P22d	T4	1095	1	C	■	■	■
9007LL	9007	12 V	65/55 W	PX29t	T4.625	1350/1000	1	C	■		
1003LL	1003	12 V	12 W	BA15s	B6				■		
1141LL	1141	12 V	18 W	BA15s	S8				■		
1156LL	1156	12 V	27 W	BA15s	S8				■		
1157LL	1157	12 V	27/8 W	BAY15d	S8				■		
1157NALL	1157	12 V	27/8 W	BAY15d	S8				■		
2057LL	2057	12 V	27/7 W	BAY15d	S8				■		
2057NALL	2057	12 V	27/7 W	BAY15d	S8				■		
2357LL	2357	12 V	29/8 W	BAY15d	S8				■		
3047LL	3047	12 V	21/7 W	W2.5X16q	S8				■		
3157LL	3157	12 V	27/7 W	W2.5x16q	S8				■	■	
4157LL	4157	12 V	29/8 W	W2.5x16d	S8				■		
7440LL	7440	12 V	21 W	W3X16d	T6.5				■	■	■
7443LL	7443	12 V	21/5 W	W3X16q	T6.5				■	■	■

C = Box package   B = Blister pack   P = Plastic Case

MOTORBIKE BULBS

TO SEE AND BE SEEN

For the extensive range of motorcycles, scooters, mopeds, and ATVs, HELLA offers accurate solutions according to the requirements of original equipment.

Particularly because it is important for drivers of two-wheeled vehicles to see and be seen.

Note:

In headlights, particularly in the case of motorcycles or large cylinder capacity engine are commonly found halogen bulbs with identical automotive specifications (such as 60/55 H4, H7 55W, 55W 9006, 9006 HXS 55W, etc.)

Some examples of the product range:

Part number	Type	Voltage	Power	Base	Shape	Luminous Flux (lumen)	Content	Packaging	DOT	ECE	INMETRO
880XE-35DB	880	12 V	35 W	PG13	T3.25		1	C			
889XE-35DB	894	12 V	35 W	PGJ13	T3.25		1	C			
H3 35W	H3	12 V	35 W	PK22s	T3.25		1	C			
H3XE-35DB	H3	12 V	35 W	PK22s	T3.25		1	C			
H7 35W	H7	12 V	35 W	PX26d	T4.625		1	C			
H7XE-35DB	H7	12 V	35 W	PX26d	T4.625		1	C			
H8	H8	12 V	35 W	PGJ19-1	T4		1	C	■	■	
H8XE-DB	H8	12 V	35 W	PGJ19-1	T4		1	C			
HS1	HS1	12 V	35 / 35 W	PX43t	T4.625		1	C		■	
H4 35/35W	H4	12 V	35/35 W	P43t	T4.625		1	C			
H4 45/45W	H4	12 V	45/45 W	P43t	T4.625		1	C			
6235	S2	12 V	35/35 W	BA20d	B11		1	C			■
6245	S2	12 V	45/40 W	BA20d	B11		1	C			
A3603	3603	12 V	25/25 W	PX15d	T6		1	C			
6260	S2	12 V	60/60 W	BA20d	B11		1	C			
A3625	3625	6 V	25/25 W	PX15d	T6		1	C			
635	F2	12 V	35 W	BA20s	B11		1	C			
660	660	12 V	60 W	BA20s	B11		1	C			
7951	R2	12 V	45/40 W	P45t	S13		1	C			
7952	R2	24 V	55/50 W	P45t	S13		1	C			

6235

660

7951

C = Box package   B = Blister pack   P = Plastic Case

OPTILUX EXTREME YELLOW XY – 12V

The XY Optilux bulbs are designed to give better visibility in extreme weather conditions. Pilots races prefer a yellow light beam, which provides better color contrast in rain and fog situations. The XY Optilux bulbs produce a clear yellow light their filament is made of specific measures to provide the exact amount of light needed in the way.

→ All bulbs are Optilux 12V.
→ Two bulbs packed in hard plastic.
→ For off-road use

Part No.	Type	Voltage	Wattage	Base
H71071172	880	12V	27 W	PG13
H71071182	881	12V	27 W	PGJ13
H71071192	893	12V	37.5 W	PG13
H71071462	9006	12V	55 W	P22d**
H71070642	H1	12V	55 W	P14.5s
H71071112	H10	12V	42 W	PY20d
H71071132	H11	12V	55 W	PGJ19-2
H71071152	H13	12V	60/55 W	P26.4t
H71071302	H16	12V	35 W	PG20-3
H71070662	H3	12V	55 W	PK22s
H71071342	H3C	12V	55 W	P22d
H71070682	H4	12V	60/55 W	P43t
H71070702	H7	12V	55 W	PX26d
H71071072	H8	12V	35 W	PGJ19-1
H71071092	H9	12V	65 W	PGJ19-5
H71070562	HB1	12V	65/45 W	P29t
H71070582	HB3	12V	65 W	P20d
H71070602	HB4	12V	55 W	P22d
H71070622	HB5	12V	60/55 W	PX29t

OPTILUX EXTREME WHITE XB – 12V

See the light!

Extreme White bulbs XB Optilux give a radical look at the xenon light in a halogen bulb, with its blue coating. These bulbs incorporate gas xenon bulb improved performance.

→ All bulbs are Optilux 12V.
→ Two bulbs packed in hard plastic.
→ For off-road use

Part No.	Type	Voltage	Wattage	Base
H71071212	880	12V	32 W	PG13
H71071222	881	12V	32 W	PGJ13
H71071232	893	12V	37.5 W	PG13
H71071392	9004	12V	65/45 W	P29t
H71071402	9005	12V	65 W	P20d
H71071412	9005	12V	65 W	P20d**
H71071422	9005	12V	100 W	P20d**
H71071432	9006	12V	55 W	P22d
H71071442	9006	12V	55 W	P22d**
H71071452	9006	12V	80 W	P22d**
H71071472	9007	12V	65/55 W	PX29t
H71071242	H1	12V	55 W	P14.5s
H71071012	H10	12V	65 W	PY20d
H71071252	H10	12V	42 W	PY20d
H71071032	H11	12V	80 W	PGJ19-2
H71071262	H11	12V	55 W	PGJ19-2
H71071052	H13	12V	100/80 W	P26.4t
H71071272	H13	12V	60/55 W	P26.4t
H71071282	H16	12V	35 W	PG20-3
H71070227	H2	12V	100 W	P14.5s
H71070181	H3	12V	100 W	PK22s
H71071312	H3	12V	55 W	PK22s
H71071322	H3C	12V	55 W	P22d
H71071332	H3C	12V	80 W	P22d
H71070201	H4	12V	100/80 W	P43t
H71071352	H4	12V	60/55 W	P43t
H71070307	H7	12V	100 W	PX26d
H71071362	H7	12V	55 W	PX26d
H71070772	H8	12V	55 W	PGJ19-1
H71071372	H8	12V	35 W	PGJ19-1
H71070792	H9	12V	100 W	PGJ19-5
H71071382	H9	12V	65 W	PGJ19-5
H71070327	HB1	12V	100/80 W	P29t
H71070347	HB3	12V	100 W	P20d
H71070367	HB4	12V	80 W	P22d
H71070387	HB5	12V	100/80 W	PX29t

Products subject to change without notice. For more information please visit **www.myhellalights.com**

WORK LIGHTS

What constitutes a good Work Light?
At the end of the day, more profit to the consumer. After all, Work Lights ensure greater effectiveness, more precise maneuvering, faster reaction and more occupational safety.

How much do good Work Lights cost?
On average, less than a single tank full of gas. For this reason, the advantages easily pay for themselves over many years.

Where can one find optimum Work Lights?
Look no further. HELLA knows the operating conditions place the highest demands on Work Lights. All HELLA Work Lights are therefore tested during development and manufacturing to meet the highest demands in terms of quality so that they can achieve maximum performance. Learn more at...
www.hellahd.com

Product Image / Dimensions	Characteristics	Technical Data	Part No.

HYPALUME LED FLOODLIGHT

LED

- Reverse polarity protection
- Transient spike circuit protection
- Over-voltage protection
- Thermal management
- Non-stick and easy to clean surface coating
- High impact grilamid nylon lens
- Heavy Duty cable gland offers bend protection
- RCM compliance
- Premium aluminium housing for mining use
- 5 year warranty
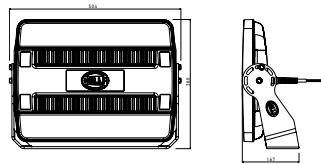
Technical Data:
- Light output (measured): 24,000 lumen
- Power requirement: 240 Watt,
- Colour temperature: 5,700° Kelvin
- Multivolt™
- 10 G / 50 G Heavy Duty stainless steel bracket
- IP 6K9K / IP 6K7 (high pressure cleaning resistant / submersible)
- 6ft (1.8m) Double insulated silicone supply cable with pigtail

AC/DC Converter (90–305 VAC)
HLG-320H-24V

1 011872011 — Extra Wide
2 011872021 — Close range
3 011872031 — Long range
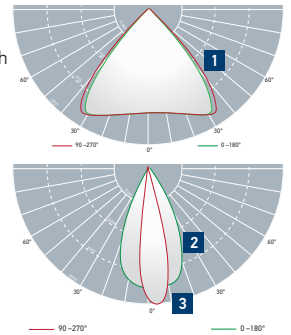
RokLUME 380 N

LED

- 7,500 Lumens
- 12 High performance LEDs
- Heavy Duty surrounding bracket
- Strong resistance to vibration
- Hardly any temperature build-up at the lens
- Light temperature = 5000° K
- NanoSafe coating
- Over-voltage protection
- Double insulated silicone supply cable
- Protected against EMC interference
- Approximate LED service life = 16,000 hours (dependant upon the ambient temperature of the LEDs)
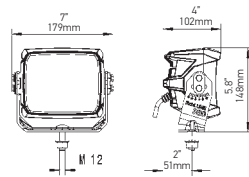
Technical Data:
- IP 6K8 (immersible)
- IP 6K9K (dust proof and withstands high pressure wash)
- Connection: DT connector
- 24 V

Contains:
- 1 LED Light
- Instruction manual and Installation components

1GA 996 197-001	24V - Zero Glare
1GA 996 197-031	24V - Pencil Beam
1GA 996 197-011	24V - Close range
1GA 996 197-021	24V - Long range

NEW

← SCAN for VIDEO on ZEROGLARE

RokLUME 280 N

LED

- 4,300 Lumens
- Strong resistance to vibration
- Hardly any temperature build-up at the lens
- Light temperature = 5000° K
- NanoSafe coating
- Over-voltage protection
- 8 high performance LEDs
- LED fault bypass
- Protected against EMC interference
- Approximate LED service life = 16,000 hours (dependant upon the ambient temperature of the LEDs)
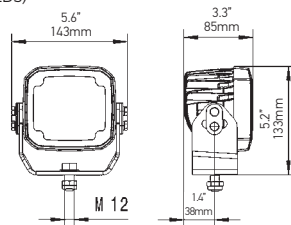
Technical Data:
- IP 6K8 (immersible)
- IP 6K9K (dust proof and withstands high pressure wash)
- Multi-volt 9-33 V

Contains:
- 1 LED Light
- Instruction manual and Installation components

1GA 995 606-541	9-33V - Zero Glare
1GA 995 606-521	9-33V - Pencil Beam
1GA 995 606-501	9-33V - Close range
1GA 995 606-511	9-33V - Long range

NEW

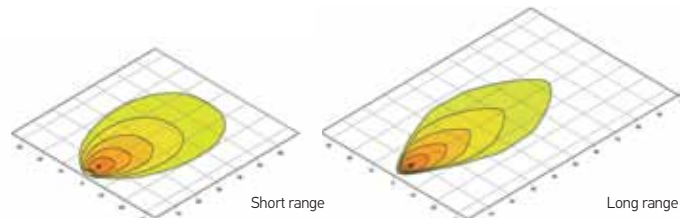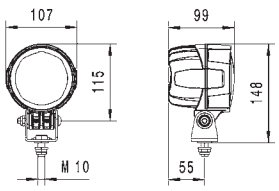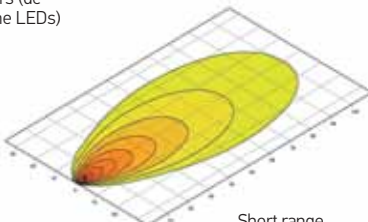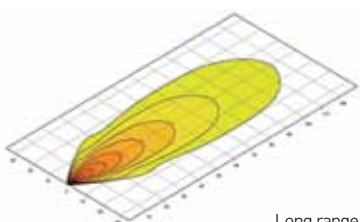← SCAN for VIDEO on ZEROGLARE

POWER BEAM 1800 LED

LED

- 1850 Lumens
- Polarity reversal protection
- Over-heating protection
- 6 high performance LEDs
- LED fault bypass
- Protected against EMC interference
- Approximate LED service life = 16,000 hours (dependant upon the ambient temperature of the LEDs
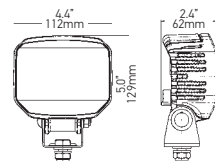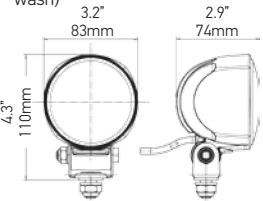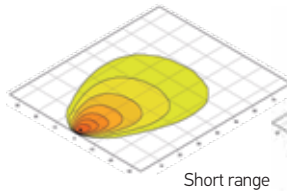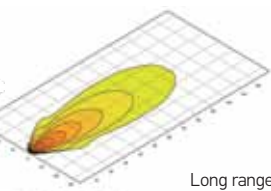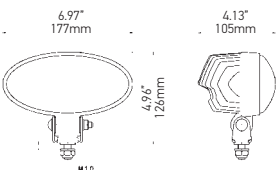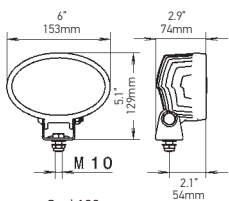
Technical Data:
- IP 6K7 (watertight)
- IP 6K9K (dust proof and withstands high pressure wash)
- Housing material: Aluminium
- Lens material: Nylon
- Connection: DT connector
- Power Consumption: 36W

996388001	12V - Close range
996388011	24V - Close range
996388021	12V - Long range
996388031	24V - Long range

Short range / Long range

Product Image / Dimensions	Characteristics	Technical Data	Part No.
MODULE 90 LED LED	• Specially developed thermal management with overheating protection • Light color similar to daylight • Over-voltage protection • Reverse polarity protection • IP 6K7 (watertight) • IP 6K9K (dust proof and withstands high pressure wash) • Protected against EMC interference • Approximate LED service life = 16,000 hours (dependant upon the ambient temperature of the LEDs) 107 99 115 148 M 10 55	• Voltage: 9-33VDC • Number of LED's: 4 • Power Consumption (@ 13.5VDC): 36W • Luminous Flux (measured): 3,400lm • Light Temperature: 6500° K • Housing Material: Aluminum • Optics: Lens & Reflector • Connection: DT Connector Short range Long range	**996263031** Close range **996263051** Long range **Contains:** • 1 LED Light • Instruction manual and Installation components
MODULE 70 LED GENERATION IV LED	• 2500 Lumens • Polarity reversal protection • Over-heating protection • 3 high performance LEDs • LED fault bypass • Protected against EMC interference • IP 6K8 • IP 6K9K (dust proof and withstands high pressure wash) 3.2" 83mm 2.9" 74mm 4.3" 110mm	• Housing material: Aluminium • Lens material: Nylon • Connection: 6.5ft cable with leadsr • Multi-volt 9-33 V • Power Consumption: 30W Short range Long range	**996476001** Close range **996476011** Long range **Contains:** • 1 LED Light • Instruction manual and Installation components
OVAL 90 & 100 LED GEN II LED Oval 90 NEW Oval 100 NEW	• 4300 Lumens (Oval 90) • 10 Energy Efficient LEDs (Oval 90) • 4000 Lumens (Oval 100) • 8 Energy Efficient LEDs (Oval 100) • 9-33V DC • Hardly any temperature build-up at the lens • Polarity reversal protection • Over-heating protection • IP 68 (immersible) • IP 6K9K (dust proof and withstands high pressure wash) 6.97" 177mm 4.13" 105mm 4.96" 126mm M10 Oval 90 6" 153mm 2.9" 74mm 5.1" 129mm M 10 Oval 100 2.1" 54mm	• Multi-volt 9-33 VDC • Available in Close or Long-range illumination • Aluminum die-cast housing • Color Temperature: 6500 k	**996486001** Oval 90-Close range **996486011** Oval 90 -Long range **996761001** Oval 100-Close range **996761011** Oval 100 -Long range **Contains:** • 1 LED Light • Instruction manual and Installation components
OPTILUX **2 LED BLU** LED	• Aluminium die-cast housing • 2 High performance LEDs • PC lens • Ideal for use on forklifts • Provides visual warning for pedestrians • Bright blue spot beam pattern projects onto the ground 4.3" 110 mm 2.4" 61 mm	• Voltage:10-80 VDC • Light Pattern: Spot Light • Power Consumption: 6W (per light) • Luminous Flux (measured): 300lm **Contains:** • 1 LED Light • Instruction manual and Installation components	**H71030181**

| Product Image / Dimensions	Characteristics	Technical Data	Part No.
OPTILUX RC360 LED	• Remote controlled LED worklight • 360° by 360° full rotation • Number of LEDs: 9 • PC lens • Flash function • Magnetic or fixed mounting (upright only) • 15ft cable with lighter plug	• Voltage: 10-30VDC • Power Consumption (@ 13.5VDC): 90W • Luminous Flux (calculated): 5,000lm • Luminous Flux (measured): 2,700lm **Contains:** • 1 LED Light • 1 Remote Control • Instruction manual and Installation components	**H71030701** Black **H71030801** White **H71030811** Spare Remote
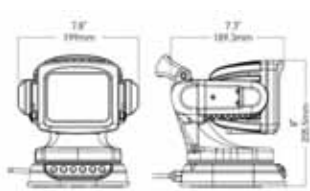
RC360 LED Video

HELLA VALUEFIT

HELLA VALUEFIT Series Offers Affordable Lighting Applications and Powerful LED Performance

HELLA VALUEFIT lighting series is a comprehensive line of affordable lighting for a multitude of vehicle applications. HELLA VALUEFIT is designed to meet all of the critical quality requirements for aftermarket lighting, yet is still available without the higher cost of classic premium products. The VALUEFIT line includes a wide range of worklights.

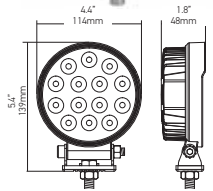For more information on the HELLA VALUEFIT range of worklights please visit **www.hellahd.com**

HELLA VALUEFIT 5 RD LED 2.0 — NEW
• Blister packaging
• 14 high performance LEDs, 24W
• Multivolt: 9-33V
• Color Temperature: 6500k
• 2000 measured lumen
357105002 Close range

HELLA VALUEFIT 5 RD LED 1.0 — NEW
• Blister packaging
• 9 high performance LEDs, 13W
• Multivolt: 9-33V
• Color Temperature: 6500k
• 1000 measured lumen
357101002 Close range

HELLA VALUEFIT 5 RD LED ECO — NEW
• Box packaging
• 6 high performance LEDs, 9W
• Multivolt: 9-33V
• Color Temperature: 6500k
• 700 measured lumen
357108001 Close range

HELLA VALUEFIT 4 SQ LED 2.0 — NEW
• Blister packaging
• 16 high performance LEDs, 25W
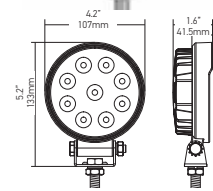• Multivolt: 9-33V
• Color Temperature: 6500k
• 2000 measured lumen
357106002 Close range

HELLA VALUEFIT 4 SQ LED 1.0 — NEW
• Blister packaging
• 9 high performance LEDs, 13W
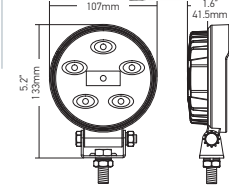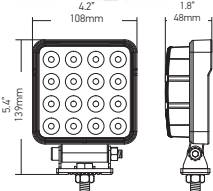• Multivolt: 9-33V
• Color Temperature: 6500k
• 1000 measured lumen
357103002 Close range

HELLA VALUEFIT 4 SQ LED ECO — NEW
• Box packaging
• 5 high performance LEDs, 9W
• Multivolt: 9-33V
• Color Temperature: 6500k
• 700 measured lumen
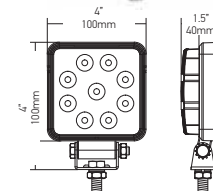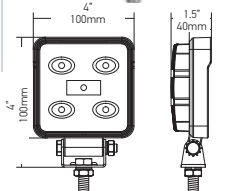**357107001** Close range

All HELLA ValueFit Work Lights Contain: 1 LED Light with instruction manual and Installation components.

Products subject to change without notice. For more information please visit **www.hellahd.com**

OPTICAL WARNING SYSTEMS

HELLA's Optical Warning Systems cover a wide range of different models from sophisticated rotating mirror modules to top-quality LED technology. Therefore, the ideal beacon can be chosen for every application purpose All the beacons and optical warning systems have been tested under the toughest of conditions for continual heavy-duty use. Fleet managers, drivers of commercial vehicles of all kinds and farmers expect functional security. This means vehicle components built to a high standard and offering a long service life. HELLA beacons, optical warning systems and auxiliary lighting systems fulfill these demands. Their development and production is carried out according to the strictest quality standards. HELLA tests their suitability for everyday life in the most demanding of test series, in the test laboratory and in field tests. Learn more at… **www.hellahd.com**
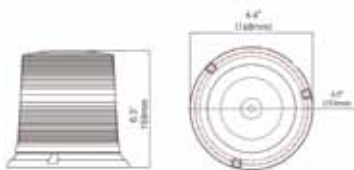
K-LED 50

LED

- 12-24 VDC Input Voltage
- 12 user selectable flash patterns
- Flashing and rotating
- Non-volatile memory recalls last flash pattern used at power up
- Multiple units can synchronize and flash simultaneous or alternately
- Reverse polarity protection
- Weatherproof and vibration resistant design for external use
- 5 year warranty

- Light Source: 4 LEDs
- Warning Patterns: 12 Flash Patterns
- Operating Voltage: 11 - 16 VDC
- Max Power: 22 W
- Approvals: SAE J845 Class 1
- Connection Fixed: 16" (40 cm) wire leads
- Connection Magnetic: 10' (3 m) lighter plug with on/off switch
- Multi-Unit Sync: Over 15 units
- Operating Temperature: -30°C to +65°C
- IP Rating: IPX5

H27111001	Fixed
H27111011	Magnetic
H27111101	White, Fixed Mount

K-LED 100

LED

- 12 -24VDC Input Voltage
- 11 user selectable flash patterns
- Flashing and rotating
- Non-volatile memory recalls last flash pattern used at power up
- Multiple units can synchronize and flash simultaneous or alternately
- Reverse polarity protection
- Weatherproof and vibration resistant design for external use
- 5 year warranty

- Warning Patterns: 11 Flash Patterns
- Operating Voltage: 12 - 24 VDC
- Approvals: SAE J845 Class 1, California Title 13, ECE R65, ECE R10
- Connection Fixed: 16" (40 cm) wire leads
- Connection Magnetic: 10' (3 m) lighter plug with on/off switch
- Operating Temperature: -30°C to +65°C
- IP Rating: IPX5
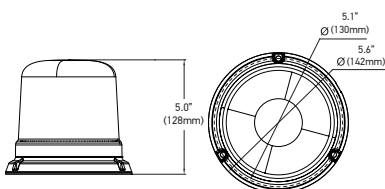
H27112001	Fixed Mount
H27112011	Magnetic
H27112031	DIN Pole

MLB 200 LED
LIGHTBAR

LED

- Multi-voltage input 12 - 24 VDC
- 24 user selectable flash patterns including rotating
- Non-volatile memory recalls last flash pattern used at power up
- Multiple units can be synchronized
- Reverse polarity protection
- Weatherproof and vibration resistant design for external use
- 5 year warranty

- Light Source: 42 LEDs
- Warning Patterns: 24 Flash Patterns
- Operating Voltage: 10 - 30 VDC
- Max Power: 74 W
- Approvals: SAE J845 Class 1, California Title 13, ECE R65, ECE R10
- Connection Fixed: 10' (3 m) wire leads
- Connection Magnetic: 10' (3 m) lighter plug with on/off and pattern select switch
- Multi-Unit Sync: Over 15 units
- Operating Temperature: -30°C to +65°C
- IP Rating: IPX5
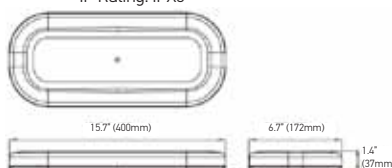
H27997001	Fixed Amber
H27997011	Magnetic Amber
H27997021	Fixed Amber/White
H27997031	Magnetic Amber/White

Scan to watch a video

MST3 MINI LED
LIGHTHEADS

LED

- Super low profile for discreet placement
- Self-adhesive backing for quick simple mounting
- Multi-voltage input 12 - 24 VDC
- 12 user selectable flash patterns including steady on
- 3 powerful LEDs for superior warning
- Multiple units can be grouped to flash simultaneously or alternately
- Weatherproof and vibration resistant design for external use

- Light Source: 3 LEDs
- Warning Patterns: 12 Flash Patterns
- Operating Voltage: 11 - 30 VDC
- Approvals: SAE J845 Class 1, California Title 13, ECE R65, ECE R10
- Connection: 8" (20 cm) wire leads
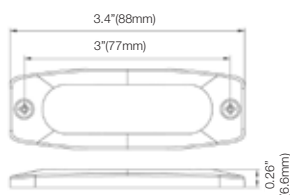
H22896001	Amber
H22896021	Blue
H22896041	White
H22896031	Red

NEW

Products subject to change without notice. For more information please visit **www.hellahd.com**

HORNS

TRUMPET HORNS, AIR HORNS, COMPACT HORNS AND MORE

3. Horns

S70 Series – High Tone

Part No.	**922196011**
Voltage	12 V
Frequency	420 Hz
Frequency at 6.5' (2m)	112 dB (A)
Energy Consumption	30W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Black galvanized metal
Operating temperature	-40° C a 90° C
Special feature	

1 Piece

2.3" (60mm) · 2.7" (70mm) · 2" (52mm)
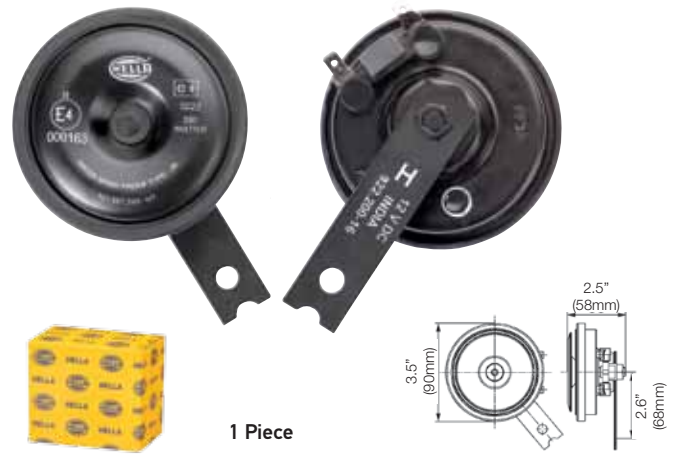
S90 Series – High Tone

Part No.	**922200161**
Voltage	12 V
Frequency	420 Hz
Frequency at 6.5' (2m)	113 dB (A)
Energy Consumption	42W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Black galvanized metal
Operating temperature	-40° C a 90° C
Special feature	

1 Piece

2.5" (58mm) · 3.5" (90mm) · 2.6" (68mm)
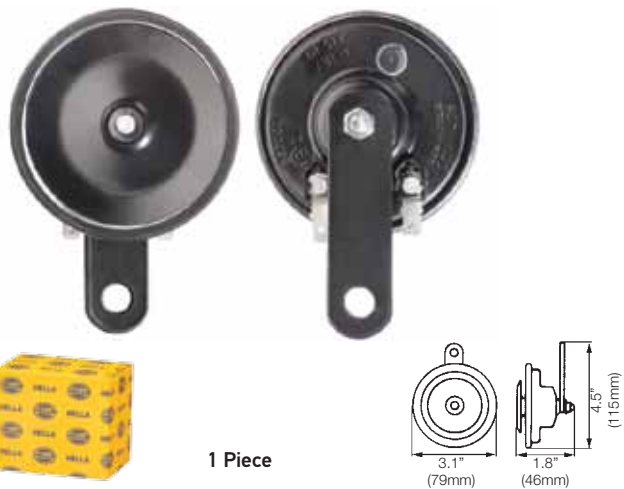
M28 Series – High Tone

Part No.	**007425791**
Voltage	12 V
Frequency	400 Hz
Frequency at 6.5' (2m)	115 dB (A)
Energy Consumption	72W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Black galvanized metal
Operating temperature	-40° C a 90° C
Special feature	With surge absorbing diode

1 Piece

4.5" (115mm) · 3.1" (79mm) · 1.8" (46mm)

NEW

S77 Series – Set of Compact Horns

Part No.	**011225802**
Voltage	12 V
Frequency	350 / 420 Hz
Frequency at 6.5' (2m)	111 dB (A)
Energy Consumption	2 x 48W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Black galvanized metal
Operating temperature	-40° C a 90° C
Special feature	

2 Pieces

2.2" (57mm) · 4.1" (105mm) · 3" (77mm) · 1.8" (47mm)

1 Piece
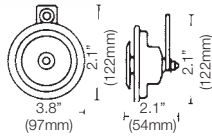
M26 Series – High Tone

Part No.	002952811
Voltage	12 V
Frequency	400 Hz
Frequency at 6.5' (2m)	115 dB (A)
Energy Consumption	66W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Grey black galvanized metal diaphragm
Operating temperature	-40° C a 90° C
Special feature	

1 Piece
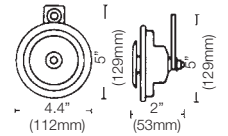
B36 Series –   Low Tone | High Tone

Part No.	002768082	002768551
Voltage	12 V	12 V
Frequency	335 Hz	400 Hz
Frequency at 6.5' (2m)	116 dB (A)	116 dB (A)
Energy Consumption	72W	72W
Approval	ECE	ECE
Blade Type	Terminal contacts	Terminal contacts
Bracket	M8 mounting screw	M8 mounting screw
Housing	Gris, metal galvanizado	Gris, metal galvanizado
Operating temperature	-40° C a 90° C	-40° C a 90° C
Special feature		

1 Piece

DL50 Series –   Low Tone | High Tone

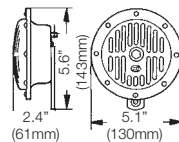| Part No.	004811001	004811011
Voltage	12 V	12 V
Frequency	310 Hz	380 Hz
Frequency at 6.5' (2m)	114 dB (A)	114 dB (A)
Energy Consumption	72W	72W
Approval	ECE	
Blade Type	Terminal contacts	
Bracket	M8 mounting screw	
Housing	Black galvanized metal	
Operating temperature	-20° C a 80° C	
Special feature		

NEW

2 Pieces
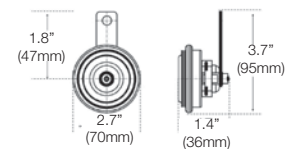
Motorcycle Series

Part No.	012588061	012588011
Voltage	12 V	12 V
Frequency	480 Hz	380 / 480Hz
Frequency at 6.5' (2m)	108 dB (A)	108 dB (A)
Energy Consumption	16W	2 x 16W
Approval	ECE	
Blade Type	Terminal contacts	
Bracket	M8 mounting screw	
Housing	Black galvanized metal	
Operating temperature	-20° C a 80° C	
Special feature	Blister Pack – Hightone Single	Graphic Box - Set

3. Horns

2 Pieces + 1 relay

3.3" (85mm) 4.8" (123mm) 5.3" (135mm)

B133 Series – Set Supertone Horns

| Part No.	003399801
Voltage	12 V
Frequency	300 / 500 Hz
Frequency at 6.5' (2m)	118 dB (A)
Energy Consumption	2 x 66W
Approval	ECE
Blade Type	Terminal contacts
Bracket	M8 mounting screw
Housing	Black metal w/ red protective grill
Operating temperature	-40° C a 60° C
Special feature	Includes 12 V relay

2 Pieces

3.3" (85mm) 4.8" (123mm) 5.3" (135mm)

B133 Series – Set Supertone Horns – Black

Part No.	003399081	003399101
Voltage	12 V	24 V
Frequency	370 / 500 Hz	375 / 500 Hz
Frequency at 6.5' (2m)	118 dB (A)	118 dB (A)
Energy Consumption	2 x 80W	2 x 84W
Approval	ECE	ECE
Blade Type	Terminal contacts	Terminal contacts
Bracket	M8 mounting screw	M8 mounting screw
Housing	Black metal w/protective grill	Black metal w/protective grill
Operating temperature	-40° C a 75° C	-40° C a 75° C
Special feature	With surge absorbing diode	

NEW

2.2" (56mm) 3.6" (92mm)

Twin Tone Disc Horns

Part No.	012588071	011225871
Voltage	12 V	
Frequency	335 /435 Hz	
Frequency at 6.5' (2m)	113 dB (A)	
Energy Consumption	2 x 60W	
Approval	CCC	
Blade Type	Terminal contacts	
Bracket	M8 mounting screw	
Housing	Black galvanized metal	
Operating temperature	-20° C a 80° C	
Special feature	Blister Pack - Single	Graphic Box
	High Tone	

3.22"
8.2 cm

4.29" 10.9 cm

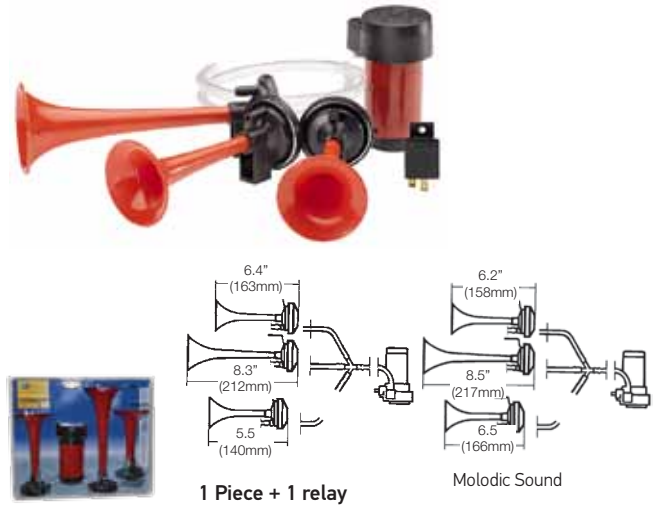3.38" 8.6 cm
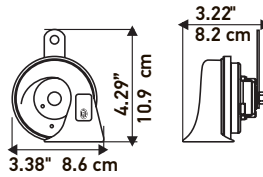
NEW   **NEW**   **NEW**   **NEW**

2 Pieces

TE16 Series – Set of Twin Tone Trumpet Horns

Part No.	012010981	012010851	012010801	012010821	012010971	011225831	007728883
Color	Red	Red	Blue	Yellow	Black	Black	Chrome
Voltage	12 V	12 V	12 V	12 V	12 V	12 V	12 V
Frequency	500 Hz / 400	500 Hz / 400	500 Hz / 400	500 Hz / 400	500 Hz / 400	500 Hz / 400	510 Hz / 410
Sound level at 2m	110 dB (A)	110 dB (A)	110 dB (A)	110 dB (A)	113 dB (A)	113 dB (A)	112dB (A)
Energy consumption	2 x 72W	2 x 72W	2 x 72W	2 x 72W	2 x 72W	2 x 72W	2 x 60W
Approval	ECE	ECE	ECE	ECE	CCC	CCC	-
Bracket	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw
Special feature	Includes 12V relay				Blister Pack		

8.3"
(212mm)

6.4"
(163mm)

1 Piece + 1 relay

6.4"
(163mm)

8.3"
(212mm)

5.5
(140mm)

6.2"
(158mm)

8.5"
(217mm)

6.5
(166mm)

Molodic Sound

1 Piece + 1 relay

Set of Twin Tone Air Horns

Part No.	003001651	003001661
Voltage	12 V	24 V
Frequency	780 / 840 Hz	
Frequency at 6.5' (2m)	118 dB (A)	
Energy Consumption	240W	
Approval	ECE	
Support	Mounting bracket included	
Housing	Red ABS plastic	
Operating temperature	-40° C a 80° C	
Special feature	Includes compressor, tubes ,12V relay and instructions	

Set of Triple Tone Air Horns

Part No.	003001671	003001681
Voltage	12 V	
Frequency	780 / 820 / 880 Hz	630 / 795 / 840 Hz
Frequency at 6.5' (2m)	118 dB (A)	
Energy Consumption	180W	240W
Approval	ECE	-
Support	Mounting bracket included	
Housing	Red ABS plastic	
Operating temperature	-40° C a 80° C	
Special feature	Molodic Sound	

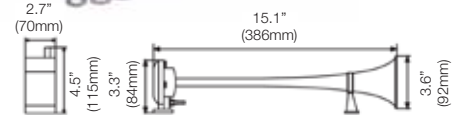Both sets include compressor, tubes, 12V relay and instructions

3. Horns

NEW
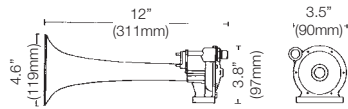
1 Piece

Compressed Air Trumpet – High Tone

Part No.	004206041	004206011
Voltage	12 V	24 V
Frequency	400 Hz	400 Hz
Frequency at 6.5' (2m)	110 dB (A)	110 dB (A)
Energy Consumption	35W	50W
Approval	ECE	
Blade Type	Terminal contacts	
Housing	Gray, 2 holes / M10 screws	
Pressure Range	6 - 8.3 bar	
Special feature	-	

4 Pieces

Compact Air Horn

Part No.	013410011
Voltage	12 V
Frequency	-
Frequency at 6.5' (2m)	115 dB (A)
Energy Consumption	312W
Approval	-
Blade Type	Terminal contacts
Housing	Gray, 2 holes / M10 screws
Pressure Range	-
Special feature	Includes compressor, 12V relay and Instructions

1

2

3

1 Piece

Twin Compressed Air Horn

Part No.	005411001
Voltage	24 V
Frequency	300 / 350 Hz
Frequency at 6.5' (2m)	118 dB (A)
Energy Consumption	0-20W
Approval	ECE
Blade Type	Terminal contacts
Housing	Chrome horn, matte black base
Rango de Presión	4 - 8.3 bar
Special feature	Ø 8 mm round connector for vehicles with air brakes.
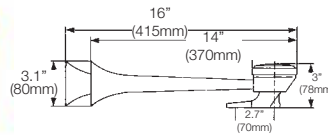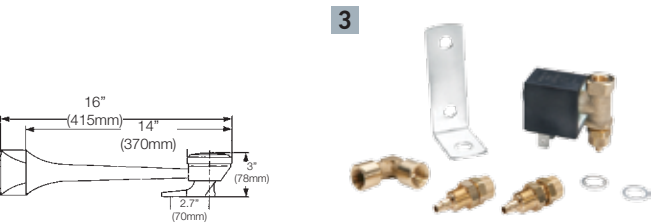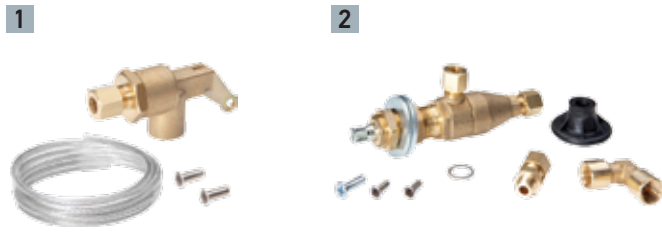
Accessories

Accessories:

This horn can be used with three different modes:

		Part No.
1	**Mounting on the cabin roof.** Hand operated. 4' (120 cm) long. Valve drive	**715989001**
2	**Mounting on the cabin floor.** Drive with your foot. Pedal valve.	**715990001**
3	**Mounting the engine compartment.** Operate by pressing the horn button. With 6.3 mm flat connections open. Absorbed power: 20W. Electric valve, 24V	**715991001**

NEW

5.6" (144mm) 4.5" (116mm)

7.9" (203mm)

2 Pieces

NEW
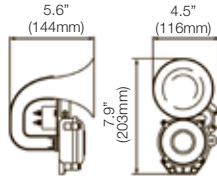
Single Tone Air Horn

Part No.	013410001
Voltage	12 - 24 V
Frequency	–
Frequency at 6.5' (2m)	115 dB (A)
Energy Consumption	120W
Approval	–
Blade Type	Terminal contacts
Housing	Black, housing zamak, 2 holes / M10 screw
Pressure Range	–
Special feature	–

Reverse Alarm

Part No.	009148141*
Dimensions	3.9"W x 2.5"H x 1.5" D 101 x 65 x 39mm
Characteristics	Reverse alarm
	Multi Voltage: 9V – 48V
	DC nominal: 0.1A – 0.6A
	Frequency at 6.5 ,(2m): 110 dB (A)

DOWNLOAD OUR APP

User-friendly menu navigation, precise functionality and information for specific products and ideal for both daily and occasional use. Discover the wide range of speakers, horns and trumpets HELLA offers - available in 10 languages. Compare our products by listening to the actual sound - anytime from the palm of your hand.

Want to try our free app?

Just follow these three simple steps:
1. Install a QR code app on your smartphone.
2. Use to scan the code printed here.
3. Download the HELLA app for your smartphone.

www.hella.com/apps

* Available 1st quarter 2016. Products subject to change without notice. For more information please visit **www.hellahd.com**

RELAYS AND WIRE HARNESSES

Relays have been used to remotely control circuits for over 180 years. The technology has proven its reliability millions of times and is today still the first choice for many applications in automotive engineering.
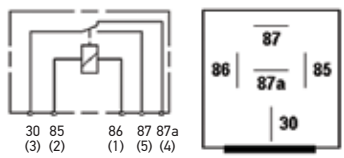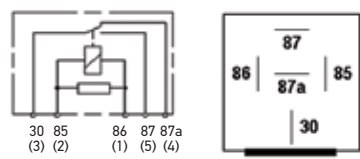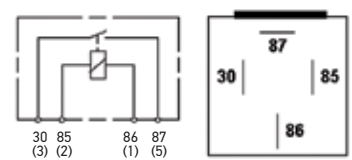
HELLA produces over 100 million units per year at its own facilities - Thanks to optimized production at an attractive price. Large volumes are produced in a fully automated process, small volumes are produced with semi-automation.
This means HELLA is able to respond quickly to customer needs and create new variants, in addition to its existing range of short-term products.

WWW.HELLAHD.COM

For our full range of relays and more, visit www.hellahd.com where you will find technical specs, drawings and videos.

www.hellahd.com

Product image / Dimensions	Characteristics	Part No.	Technical Specifications

Mini Relay ISO

- 12 V
- SPDT / Form C
- 40 Amp Continuous
- Mounting bracket

Part No.	
933332011	Single - Minimum Order Quantity: 1
933332017	Bulk - Minimum order quantity: 200

Technical data:

Nominal Voltage	12V
Nominal DC	N/A 40A | N/C 20A a 85°C
Contact Form	1 Forma C / SPDT
Coil Resistance	85 Ohm ± 10%
Suppression	Any
Resistive load / switching cycles	N/A 40A | N/C 20A, 100,000 cycles
Inductive load / switching cycles	N/A 20A, 100,000 cycles / N/C 6A, 60,000 cycles
Lamp load (capacitive) / switching cycles	N/A 20A | N/C 10A, 100,000 cycles

Diagram labels: 87 / 86 87a 85 / 30 / 30 85 (3)(2) 86 (1) 87 87a (5)(4)

Mini Relay ISO

- 12 V
- SPDT / Form C
- Mounting bracket
- 40 Amp Continuous
- Suppression resistance of the coil
- Weatherproof Cover

Part No.	
007794301	Single - Minimum Order Quantity: 1
007794307	Bulk - Minimum order quantity: 150

Technical data:

Nominal Voltage	12V
Nominal DC	N/A 40A | N/C 20A a 85°C
Contact Form	1 Forma C / SPDT
Coil Resistance	100 Ohm ± 10% (excluding suppression component)
Suppression	Resistance, 680 Ohm
Resistive load / switching cycles	N/A 30A | N/C 20A , 150,000 cycles / N/A 40A, 100,000 cycles
Inductive load / switching cycles	N/A 35A, 100,000 cycles
Lamp load (capacitive) / switching cycles	N/A 30A, 100,000 cycles

Diagram labels: 87 / 86 87a 85 / 30 / 30 85 (3)(2) 86 (1) 87 87a (5)(4)

Mini Relay ISO

- 12 V
- SPDT / Form A
- Mounting bracket
- 30 Amp Continuous
- Alternative Distribution contacts

Part No.	
965400001	Single - Minimum Order Quantity: 1
965400007	Bulk - Minimum order quantity: 200

Technical data:

Nominal Voltage	12V
Nominal DC	30A a 85°C
Contact Form	1 Forma A / SPST N/A
Coil Resistance	90 Ohm ± 10%
Suppression	Any
Resistive load / switching cycles	30A, 100,000 cycles
Inductive load / switching cycles	30A, 100,000 cycles
Lamp load (capacitive) / switching cycles	16A, 100,000 cycles

Diagram labels: 87 / 30 85 / 86 / 30 85 (3)(2) 86 (1) 87 (5)

OPTILUX WIRE HARNESSES

- Wire harness installation is easy and fast.
- The perfect fit for lamps and OPTILUX LED light bars

ATTENTION: These sets of harness cables are suitable for connecting any spotlight whose energy consumption does not exceed 300W at 12V. Any misuse can be dangerous. Be sure to disconnect the negative terminal (-) of the battery before installation to avoid any short circuit that can lead to injury or property damage.

Single light wire harness includes:
- (1) wire harness connector and fuse ATP * 30 A, (1) relay 12V (1) 12V Switch and Assembly instructions

Two light wire harness includes:
- (1) wire harness with 2 connectors DT * (1) 30 A fuse (1) relay 12V, (1) 12V Switch and assembly instructions

H84131151	Single light harness
H84131141	Two light harness

HELLA WIPER BLADES

As a leading partner of the best-known European vehicle manufacturers, HELLA has been developing quality components and systems for the automotive industry since 1899, and it is one of the largest providers of vehicle parts and accessories worldwide.

With a wide range of high-quality accessories such as auxiliary lights, horns, lamps and wiper blades, HELLA offers a valuable contribution to road traffic safety!

You can depend on wiper blades from HELLA, regardless of how extreme the conditions are. Our aim is to keep you driving safely.

Our wiper blades are small technical masterpieces. During their service life, they wipe several thousands of litres of water off the windshield. They deal effectively with fog streaks, as well as snow, ice, insects and dirty spray water from vehicles driving in front. They may be small – but their contribution to road traffic safety is considerable. HELLA wiper blades are the must have choice when replacement blades are needed.

We at HELLA recommend that you replace your wiper blades at least once a year.

Premium Quality, Test-Proven

Expect only superior quality from HELLA. HELLA wiper blades are subjected to the highest quality requirements and meet the stringent test standards of Japanese Industrial Standards (JIS) and Society of Automotive Engineers (SAE).

→ **Clearer Visibility**

→ **Longer-lasting Performance**

→ **HELLA wiper blades perform**

- 83% better than Asian Brand A
- 20% better than European Brand A

Water lines relative to Asian Brand A

WATER LINES (%)

100
90
80
70
60
50
40
30
20
10

Significantly fewer water lines

HELLA   European Brand A   Asian Brand A

Brand comparision
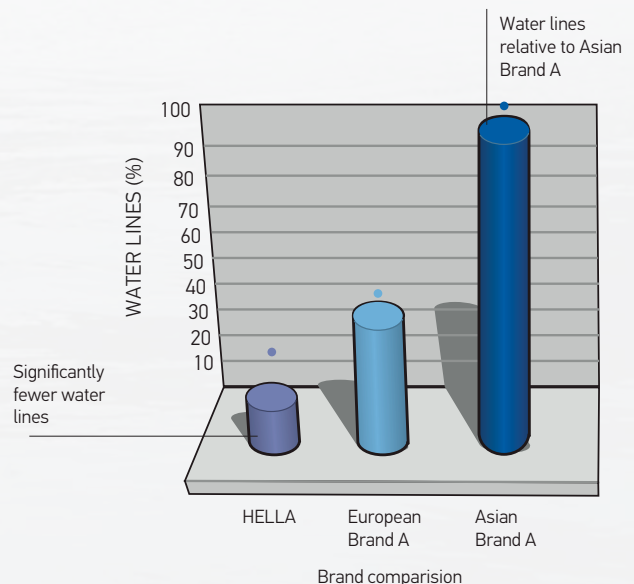
Standard Wiper Blades

1 The rubber lip is coated with graphite using nano technology and offers even, quiet operation and clear visibility.

2 Preinstalled adapter 5 in 1 for easy installation

3 Original HELLA logo printed on each wiper blade as a mark of quality

4 Superior solid steel frame ensures maximum strength and durability

5 Even contact pressure at each contact point provides clean wiping results

Materials

→ Natural rubber lip is coated with graphite using nano technology

→ Enviroment friendly and lead-free

→ Solid steel frame

→ Protective sleeve on each new wiper blade

Universal adapters included

E3
(Pre-installed in all our wiper blades)

B

V9

E

A2-1
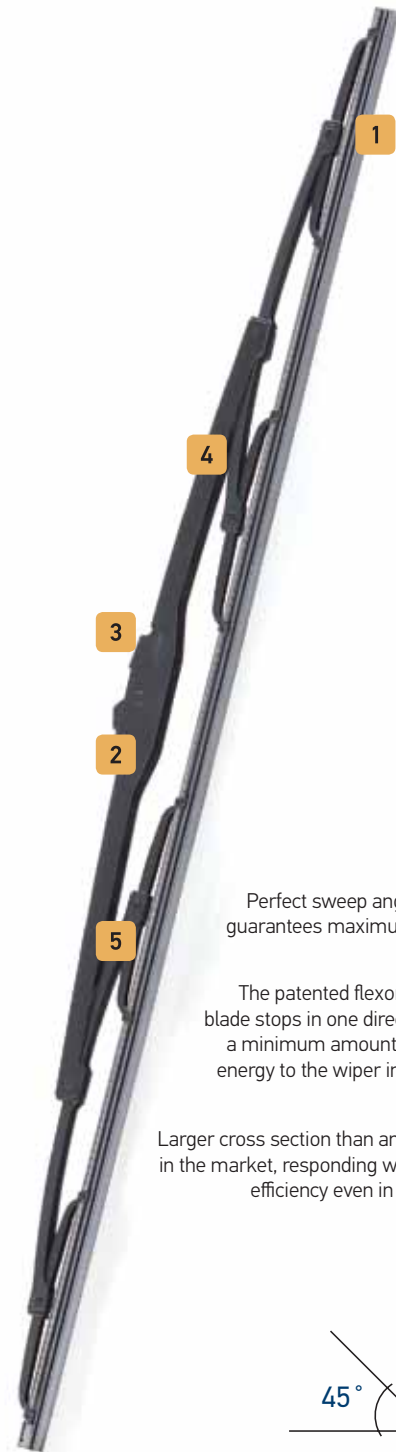
Perfect sweep angle 45°, which guarantees maximum grip on the windshield.

The patented flexor prevents the blade stops in one direction allowing a minimum amount of power and energy to the wiper in each applied sweep.

Larger cross section than any wiper blade in the market, responding with maximum efficiency even in torrential rain

45°

Wiper blade arm types supported

Ø 1/4"
Ø 3/16"

7 x 2.6mm

9 x 4 mm
9 x 3 mm

Pin type   Bayonet arm   Hook type
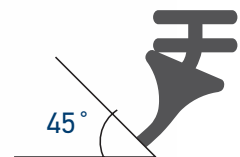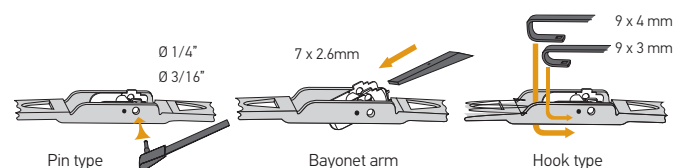
Slim masterpieces in black wiper blades are small technical masterpieces in the course of their service life. They wipe thousands of litres of water from the windscreen..

The packaging of the wiper blades provides all necessary information.
→ Short number and part number
→ Application chart (Brand, model, year)
→ Size of the wiper blades in milimeters and inches
→ EAN and UPC code
→ Descriptions in 4 languages
→ QR code link to installation video
→ Sticker and mini catalog HELLA

Product Range

Size	Part Number	Short Number	Presentation	Included adaptors
11" / 279 mm	9XW398114011	W11STP	2 pieces	E3, B, E, V9
13" / 330 mm	9XW398114013	W13ST	Individual	E3, B, A2-1
14" / 355 mm	9XW398114014	W14ST	Individual	E3, B, V9
15" / 381 mm	9XW398114015	W15ST	Individual	E3, B, V9
16" / 406 mm	9XW398114016	W16STP	2 pieces	E3, B, V9
16" / 406 mm	9XW398114016/I	W16ST	Individual	E3, B, V9
18" / 457 mm	9XW398114018	W18STP	2 pieces	E3, B, V9
18" / 457 mm	9XW398114018/I	W18ST	Individual	E3, B, V9
19" / 482 mm	9XW398114019	W19ST	Individual	E3, B, V9
19/21" 482 / 533 mm	9XW398114019/21	W19STP	2 pieces	E3, B, V9
20" / 508 mm	9XW398114020	W20ST	Individual	E3, V9
21" / 533 mm	9XW398114021	W21ST	Individual	E3, V9
22" / 558 mm	9XW398114022	W22ST	Individual	E3, V9
24" / 609 mm	9XW398114024	W24ST	Individual	E3, V9
26" / 660 mm	9XW398114026	W26ST	Individual	E3, V9
28" / 711 mm	9XW398114028	W28ST	Individual	E3

HELLA car wiper blades are available in 13 lengths and come in a practical blister pack.

Additional materials included in the packaging

Mini catalog in 4 languages

Mounting instructions

HELLA sticker

New packaging with descriptions in 4 languages.

Rear wiper blades

1   Blade made of natural rubber-coated nano-particles of graphite, which greatly improves visibility.

2   Universal connectors included designed to fit different types of rear wiper arms. (See right table for adaptor content).

3   Original HELLA logo engraved on the structure.

4   Pressure points distributed along the wiper blade.

5   Special adapter for specific applications.

Materials

→ Natural rubber lip is coated with graphite using nano technology

→ Resistant frame made of PVC

→ Protective sleeve on each new wiper blade

Universal adaptors included

5A	5B

5D	5E (lower pin)

5C	

1

4

OE Adaptor

2

5

3

Perfect sweep angle 45°, which guarantees maximum grip on the windshield.

45°
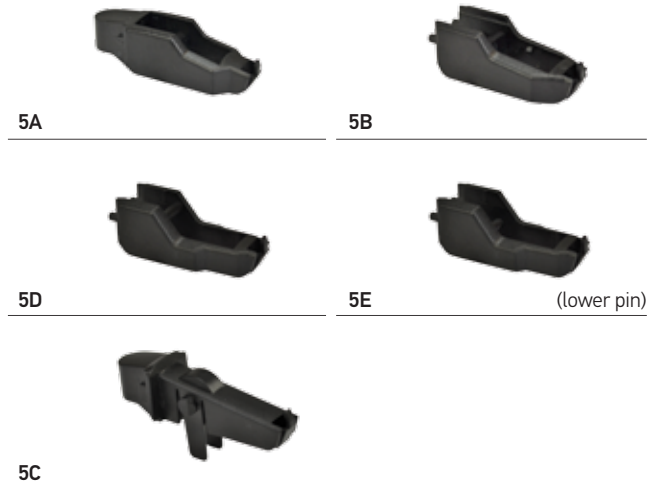
The original design of the new HELLA rear wiper blades facilitates its installation in vehicles that require special connectors/adaptors.

The packaging includes:
→ Part number listed on the back.
→ Application table (Manufacturer, model, year of manufacture)
→ Length of the wiper blade indicated in inches and millimeters
→ EAN and UPC bar codes
→ Special adaptors
→ Descriptions in 4 languages
→ Mini catalog
→ HELLA sticker

HELLA car wiper blades are available in 4 lengths and come in a practical blister pack.

The rear wiper blades with OE adapter are available in 2 sizes, in cardboard box.

Product range

Size	Part number	Presentation	Adapters included
11" / 279 mm	9XW398114011T	Individual	5A
12" / 305 mm	9XW398114012T	Individual	5A, 5B, 5E
OE Adaptor — 13" / 330 mm	9XW85981013T	Individual	Special adapter for Land Rover (Free Lander), Volkswagen (Pointer)
14" / 355 mm	9XW398114014T	Individual	5A, 5B, 5C, 5D
16" / 406 mm	9XW398114016T	Individual	5A, 5B, 5E
OE Adaptor — 16" / 406 mm	9XW85981016T	Individual	Special adapter for Fiat (Palio), GM (Corsa, Meriva), Volkswagen (Pointer Wagon, Pick Up)

Wiper blade arm types supported

5A **5B** **5C** **5D / 5E**

Original Equipment specifications may vary without notice.

Additional materials included in the packaging

Mini catalog in 4 languages

HELLA sticker

Dyna Blade wiper blades

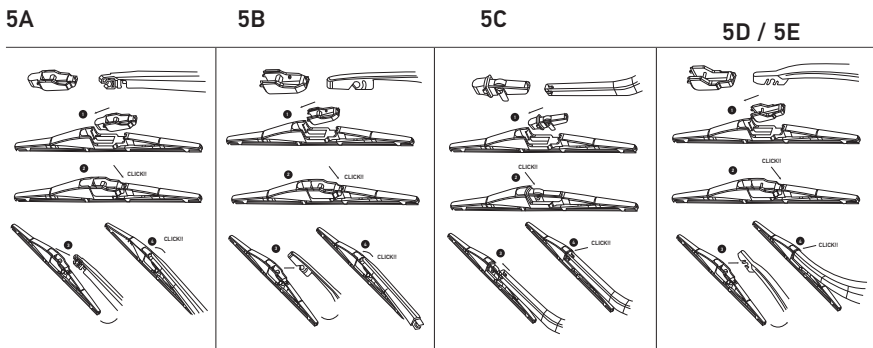|	
1	Embossed logo on the end cap
2	Even contact pressure at each contact point provides perfect wiping performance
3	Optimum cleaning thanks to graphite-coated wiper blade
4	Hinges and exterior metal parts are not needed, guaranteeing trouble-free operation in winter
5	Quickfit thanks to 1-to-1 connection.

Dyna Blade HELLA – Features:

→ The optimised, pre-contoured spring rail of the flat wiper blades ensures even force distribution at every point across the windshield. This guarantees perfect wiping performance. The even contact pressure avoids wear tips and guarantees clear visibility.

→ Wind noise is kept to a minimum thanks to the flow-optimised and noise optimised geometry.

→ Perfectly fitting spring rail enables effective wiper performance

→ Quality test: High speed test performance at 130km/h. Corrosion test: 144h SSR (DIN EN ISO 9227), UVA 500h ISO 4892-2 / DIN EN 20105-A02.

→ Range: Less part numbers - more applications, 10 sizes 14" – 28" (350 mm – 700 mm)

→ 7 adaptadors inlcuded for easy installation:

Universal adaptors included
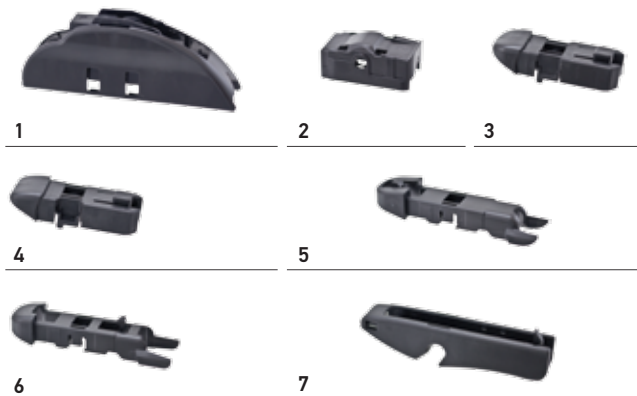
The country of origin changes from USA to China

Dyna Blades from HELLA – the new flat wiper blades.

The optimally contoured vertebrae of the new Dyna Blades provide even distribution of force across every point of the windscreen, guaranteeing perfect wiper performance. The even contact pressure prevents wear points developing.

A multi-adapter is preinstalled in all Dyna Blades. That means the new wiper blades can be retrofitted to older vehicles as well. For more recent models, additional adapters for wiper arms are included in the package.
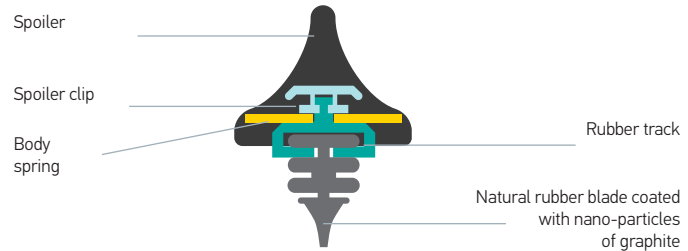
Product range

Size	Part number	Dyna Blade Short code	Presentation
16" / 406 mm	9XW16S	WBU16	Individual
18" / 457 mm	9XW18S	WBU18	Individual
19" / 482 mm	9XW19S	WBU19	Individual
20" / 508 mm	9XW20S	WBU20	Individual
21" / 533 mm	9XW21S	WBU21	Individual
22" / 558 mm	9XW22S	WBU22	Individual
24" / 609 mm	9XW24S	WBU24	Individual
26" / 664 mm	9XW26S	WBU26	Individual
28" / 711 mm	9XW28S	WBU28	Individual

Diagram

HELLA has now achieved market coverage of 98% with the introduction of the new wiper blade range.

Spoiler

Spoiler clip

Body spring

Rubber track

Natural rubber blade coated with nano-particles of graphite

The air flow provides optimum pressure and thus a better contact, preventing wind uplift due to high speeds.

Wiper blade

Windshield

More pressure
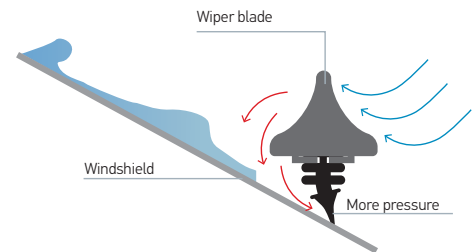
Heavy Duty wiper blades

OUR RANGE OF WIPER BLADES FOR
COMMERCIAL VEHICLES

Wear-free edge for perfect wiping
results to the very end of service life
Environmentally friendly and lead-free
Protective lip on each new wiper blade

Materials

1 The rubber lip is coated with graphite
using nano technology and offers even,
quiet operation and clear visibility.

2 Original HELLA logo printed on each
wiper blade as a mark of quality

3 Superior solid steel frame ensures
maximum strength and durability

4 Even contact pressure at each
contact point provides clean wiping results

Product range

Size	Part number	Supported arm	Presentation
28" / 711 mm	9XWHD028	PIN	Individual
32" / 812 mm	9XWHD032	PIN	Individual
36" / 914 mm	9XWHD036	PIN	Individual
40" / 1016 mm	9XWHD40H	Hook	Individual
40" / 1016 mm	9XWHD040P	PIN	Individual

P = Pin   H = Hook

Displays

Give your business the hallmark HELLA, a brand recognized worldwide.

→ **Big size**
→ **More presence**
→ **New design**
→ **Capacity for 25 and 50 pieces**

Part Number	Description
999900034	Capacity 50 pieces
208450102	Capacity 25 pieces

VEHICLE SPECIFIC LIGHTING

HELLA PRODUCTS ON PART CAT

HELLA gives you a special function in Part Cat. Now you have the ability to search by part number interchange, make, model and year. This special function allows you to view all products for your specified application.

www.partcat.com/hella

HELLA offers three guarantees with its extensive range of replacement lighting products: best functionality, optimum fit, and lasting customer satisfaction. All replacement parts are made to the same specifications and quality standards as the parts HELLA makes for its OE customers around the world.

ELECTRICS & ELECTRONICS

Up to 30% of the value of a well-equipped new car is down to its electrical and - even more - its electronic systems. That's not a question of fashion, but the result of consumers increasing demands for safety, convenience and infotainment. However, anything installed in a car is liable to fail some day. 52% of all breakdowns are already caused by faulty software or faulty electronics. By 2016 the experts predict the figure will be over 60%. It follows that in future, our business will involve fewer repair to exhaust systems, wheels and gaskets, and more with chips and such. At the same time the need for competent diagnostics, electronic spares and technical services is going through the roof. Enormous demands for wholesalers and workshops, but at the same time a highly lucrative potential for profits and customer loyalty. Seize this potential before others do!

Our sensors - enabling purely smooth running from simple physics: speed sensors, air flow meters, knocking sensors, sensors for boost pressure/manifold pressure, temperature sensors for coolant/oil/air, lambda sensors, level sensors for oil/coolant/washing water, accelerator position and throttle valve position - making modern aggregates out of motors. And as engine wouldn't run smoothly without them, HELLA's perfectly functioning sensors give the engine management system reliably measured values for perfect driving comfort. And as a constant safety indicator: wheel speed sensors (ABS).

Here action follows an impulse. Igniting, closing, opening, tightening, opening up and shutting - this is where our actuators do all the work. Everywhere where precise and constant tension and movement is required in vehicles, HELLA offers the perfect solution: ignition coils, EGR valves, throttle value supports, positioning elements for central locking, changeover valves. At HELLA movement is routine.

HELLA PAGID
BRAKE SYSTEMS

HELLA PAGID BRAKE SYSTEMS

HELLA PAGID offers a fully comprehensive range of brake products and services with excellent solutions and the quality of a strong brand. OE expertise combines with experienced and skilled aftermarket and service capabilities. Our services are comprehensive and always fulfil the high standards that are characteristic of today's automotive market.

Dealers and independent garages trust us because they can rely on us, because we maintain close dialogue with them and understand their requirements, which are fully met by the sophisticated solutions of our range, and because we offer brand quality at a fair price.

WE ASPIRE TO PERFECTION

Over stretches of gravel, on desert sand and through waterlogged ditches, HELLA PAGID products deliver on the promises we make for them. Before they are supplied to wholesalers and garages, all the brake linings are thoroughly tested in our own research and development center. Only this allows us to achieve our aim of perfection and meet our customers' requirement for outstanding quality. We design our tests in line with the vehicle manufacturers' regulations and to comply with standards and requirement specifications which offer optimum safety and comfort.

For example, our brake linings will have undergone testing over 180,000 miles and 1,000 hours before the final quality check. They are not approved for series production until all the quality and safety criteria have been met.

Powerful, tested and reliable – you can be certain of the quality of all our products.

280+
High Carbon Brake discs

Brake cleaners

Brake fluid

Lubricants

425+
Brake pads

35+
Sets of brake shoes

DOT 4

70+ Brake shoes

Brake drums

HELLA PAGID BRAKING SYSTEMS

Hella Pagid Brake Systems provide OEM engineered brake technology with extensive professional sales support, leading innovation with first-class technical service and a complete product range with outstanding logistics. As one of the leading Global providers of brake systems in the independent aftermarket, Hella Pagid Brake Systems can look back on decades of experience as an OEM and offer the sales competence of one of the largest trading organizations in the world.
www.hella-pagid.com

"Better Brake Rules" Regulation

To fulfill the requirements of the "Better Brake Rules" regulation, all Hella Pagid friction products to be sold to the U.S. are certified and marked with environmental codes on the product. Today already 60% of our volume is copper free (less than 0.5%) and fulfills level N! This is far ahead of what the rule required (Year 2025).

HIGH CARBON ROTORS

HELLA offers three guarantees with its extensive range of replacement lighting products: best functionality, optimum fit, and lasting customer satisfaction. All replacement parts are made to the same specifications and quality standards as the parts HELLA makes for its OE customers around the world. For more information on High Carbon Rotors please visit **www.highcarbonrotors.com**

BRAKEGUIDE
EASILY FIND
SUITABLE PRODUCTS

The BrakeGuide, based on TecDoc data and updated weekly, offers garages a wide variety of user-friendly search options. In addition to the usual searches for vehicles and articles found everywhere, this web portal with its expert search processing system allows really flexible research to be carried out by using article criteria. Thanks to the portal's optimised user interface, the BrakeGuide enables customers to identify brake parts from the Hella Pagid range in a targeted, almost intuitive manner. Yet another bonus is the possibility of creating one's very own customized catalog in a printable format. Such catalogs reflect the typical Hella Pagid catalog layout and, after having been tailored to the customer's specific requirements, can then be set up online in their customized version.

www.brakeguide.com

www.brakeguide.com

BEHR HELLA SERVICE

Behr and HELLA proudly announced the launch of the North American joint venture for Engine Cooling and Air Conditioning on April 2, 2007, under the brand, Behr Hella Service. Automotive supplier, Behr (specialist for vehicle air conditioning and engine cooling), and HELLA (specialist for components and systems for lighting technology and electronics) together serve the worldwide independent aftermarket for vehicle air conditioning and engine cooling.

The joint venture combines the Behr Service activities for the independent aftermarket and the air conditioning business of the HELLA aftermarket organization. Behr and HELLA each have a 50% share in the joint venture. The combination of HELLA's worldwide sales organization with Behr's product know-how is a natural progression of the already existing cooperation between Behr and HELLA in the field of climate control and front-end modules.

ENGINE COOLING

Engine cooling systems must be quiet, light, efficient, space-saving and reliable - the less they are noticed, the better. The demands made of engine cooling systems are increasing all the time. Nowadays, possibilities of positively influencing fuel consumption, emissions, driving comfort and safety by means of new heat-transfer solutions are more important than ever.

AIR CONDITIONING

For perfect vehicle air conditioning, all Behr Hella Service components and their functions are therefore matched optimally to the comfort demands of car drivers. With the comprehensive system range, you give your customers the best service.

CATALOG OF PRODUCTS

The Behr Hella Service passenger car catalog has has over 170 pages in its engine cooling and air conditioning for passenger cars catalog. This catalog contains thermal management parts program for the most popular European passenger car applications.

The catalog includes resistors, engine/transmission oil coolers, compressors, retrofit kits, vacuum elements, pressure switches, PAOOil 68, receiver dryers, expansion valves, condensers, condenser/radiator fans, HVAC blowers, evaporators, Visco®-fans, heater cores, radiators, expansion tanks, and Visco® clutches and more. The new catalog is available in a printed version as well as online.

www.behrhellaservice.com

www.behrhellaservice.com

HELLA GUTMANN SOLUTIONS

We have a passion for technology as well as our customers, which is evident in every diagnostic tool that we develop. Since 1995, the name "mega macs" has stood for intelligent and straight forward support of repair work in garages.

We have an on-going commitment to provide tools that offer fast vehicle identification, reliable vehicle diagnostics, comprehensive supply of data and professional repair support. Regular updates ensure that your diagnostic tool is current through every new tool generation.

With many years of experience and practical support, first-class diagnostic technology and fair pricing models, HELLA Gutmann Solutions' products are the preferred, all-inclusive package for many workshops worldwide.

MEGA MACS PC

The new mega macs PC offers functions such as vehicle identification via the VIN, readout and clearing of fault codes, graphic display of parameters, actuator tests, basic settings, codings, service resets and the automatic storage of vehicle data in the Car History. In connection with the 'Repair Plus light' licence, the PC becomes the all-in-one solution, 'Diagnostics + Data'. This loads the well known Hella Gutmann Data world onto the PC. Component help, inspection data, belt data, technical data, wiring diagrams, fuse and relay etc. are provided right on the screen.

GET MORE FROM
HELLA GUTMANN SOLUTIONS

Get information, features, explination of technology used, videos and more online! Visit **http://usa.hella-gutmann.com/** to download all current user manuals as well as access software for the Hella Gutmann Portal required for the automatic update of your tool.

http://usa.hella-gutmann.com/

GET FREE TECHNICAL TRAINING

HELLA TECH WORLD

Prepare your automobile garage for the future. At HELLA TECH WORLD you will find all our technical expert knowledge in the fields of lighting, electrical, electronic, thermal management, brake systems and vehicle diagnostics. And best of all this content is available 24/7 for you and your customers for FREE!

Register today and start to acquire the knowledge that will give you a real advantage and competitive edge for greater success!

Visit:

www.hella.com/techworld

KEY FEATURES:

Vehicle-specific Repair Information
We support automotive garages with vehicle-specific diagnostic and repair information related to a variety of fault symptoms – and covering all of HELLA's core competency areas!

Technical Product Information
Prepared by experienced technicians: we have collected our technical information on HELLA products and specific vehicle systems right here for you.

Practical Knowledge
Practical information from the expert: installation instructions, technical brochures, filling capacity manuals, technical videos and much more – expertise for your garage.

HELLA's Online Training
Expand your knowledge with our interactive tutorial. Learn at your own pace about HELLA core fields of expertise.

Technical Literature
To assist you, HELLA has compiled a number of practical manuals containing comprehensive basic know-how and solutions to damage problems, right down to explaining the functionality.

Technical Videos
As assistance or training for your day-to-day work, in these short videos our experts show you in detail all the necessary steps for correctly repairing systems from HELLA's core competency areas.

Know-How Tool
Discover the comprehensive possibilities of our know-how tools – technical expertise combined with realistic 3-D representations.

REGISTER TODAY FOR FREE!

24/7

FREE

CURRENT

www.hella.com/techworld

Scan this QR code from your
Smartphone or Tablet to enter.

Multiple tools available:

Know-how Tool

Technical Information

HELLA Online Training

DIGITAL SERVICES

This section is devoted to helping visitors navigate to the correct sites according to the individual needs of original equipment and aftermarket automotive, as well as distributors, dealers and professional workshops.

ONLINE SERVICES	USA/CANADA	MEXICO	BRAZIL	AMERICAS
PORTAL				
Web site + PDF's	www.hellausa.com	www.hellamex.com	www.hella-brasil.com	www.hella.com/americas
HELLA PAGID	www.hella-pagid.com			
BEHR HELLA SERVICE	www.behrhellaservice.com			
HELLA GUTMANN SOLUTIONS	www.hella-gutmann.com			
HELLA MARINE	www.hellamarine.com			
HELLA MINING	www.hellamining.com			
MICROSITES				
Auxiliary lights, horns, bulbs, DTRL, wiper blades Optilux range	www.myhellalights.com			
Work lights, relays, warning lights, etc.	www.hellahd.com			
Wiperblade applications windshield wipers	www.partcat.com/hella			
Bulbs applications	www.partcat.com/hella			
90 mm Headlights configurator	www.hella.com/90mm-modules			
Eliver - auxiliary lights	www.hella.com/eliver			
Accessories	www.hella.com/tuning			
Agriculture	www.hella.com/agro			
buses	www.hella.com/bus			
ONLINE CATALOGS				
Universal parts catalog	www.hella.com/upc			
General catalog - World	www.hella.com/catalogue			
Vehicles specific parts	www.partcat.com/hella		TecDoc - Brasil	
Brake Systems	www.brakeguide.com			
TECHNICAL INFORMATION				
HELLA TECH WORLD	www.hella.com/techworld			
Aftermarket Club	www.hellausa.com/amc	www.hellamex.com/amc	Not available	www.hellausa.com/amc
APPS				
Applications for Smartphones and Tablets	www.hella.com/apps			

Horns

Auxiliary lights

Work lights

BrakeGuide

Compressors

VIDEO GAMES				
Nightdrive	www.hella.com/apps			
SOCIAL MEDIA				
Facebook - Specific Countries	www.facebook.com/hellausa	www.facebook.com/hellamex	www.facebook.com/hella-do-brasil	No disponible
Facebook - Product Specific	www.facebook.com/hellamining	www.facebook.com/hellamarine	www.facebook.com/hellapagid	
YouTube	www.youtube.com/myhellalights	www.youtube.com/hellamex	www.youtube.com/hellagutmannsolutionsUSA	
DATABASE				
Mapping of information	ACES (Aftermarket catalog Enchanced Standard)		PIES (Product Information Exchange Standard)	Digital Assets (Images)

| Name of Product Line	EPICOR Code	WHI Code	DCI Code	SEMA / DATA CO-OP Code - Under HELLA, Inc.
HELLA Lighting for specific vehicles, light bulbs	HES	HLA	Only bulbs and wiper blades	HELLA
HELLA Fuel Pumps	HEV	-		
HELLA Windshield Wipers	HEM	-		
HPBS	HEA	HPD		HPBS
BHS	BHS	BHS		BHS
Pierburg	PGP	PIG		Pierburg
BTT	BTT	BEH		BTT
Optilux	OPL	-	Optilux Lighting	Optilux

Here is a summary of the most important basic terms in lighting technology and the respective units of measure for bulb and light evaluation.

Luminous flux Φ
Unit: Lumen [lm]
Luminous flux F is the term used to describe the complete light output radiated from a light source.
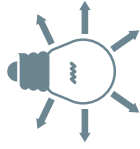
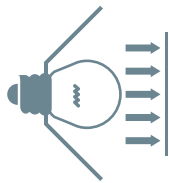### Luminous intensity I
Unit: Candela [cd]
Part of the luminous flux which radiates in a certain direction.

Illuminance E
Unit: Lux [lx]
Illuminance E specifies the ratio of the impinging luminous flux to the illuminated surface. Illuminance is 1 lx when a luminous flux of 1 lm impinges an area of 1 m².

Luminance L
Unit: Candela per square metre [cd/m²]
Luminance L is the impression of brightness the eye has from a luminous or illuminated surface.

Light output ƞ
Unit: Lumen per Watt [lm/W]
Light output h specifies the rate of efficiency with which the consumed electrical power is transformed into light.

Light sources
Light sources are radiators of temperatures which produce light through heat energy. This means the more strongly a light source is heated up, the higher its luminous intensity will be. The low efficiency (8 % light radiation) only allows a relatively low light output in comparison with gas discharge lamps (28 % light radiation). Recently, LEDs have started to be used as light source in front headlights.

Color Temperature K:
Unit: Kelvin [K]
Color temperature is a measurement in degrees Kelvin that indicates the hue of a specific type of light source. (Kelvin is indicated by the unit symbol K.) Color temperatures over 4000K are called cool colours (blueish white), while lower colour temperatures (2700 – 3000K) are called warm colours (yellowish white through red).

Lumen lm:
The lumen (symbol: lm) is the SI derived unit of luminous flux, a measure of the total "amount" of visible light emitted by a source. Luminous flux differs from power (radiant flux) in that luminous flux measurements reflect the varying sensitivity of the human eye to different wavelengths of light, while radiant flux measurements indicate the total power of all electromagnetic waves emitted, independent of the eye's ability to perceive it. Lumens are related to lux in that one lux is one lumen per square meter.

The lumen is defined in relation to the candela as
1 lm = 1 cd . sr.

Candela cd:
The candela (symbol: cd) is the SI base unit of luminous intensity; that is, luminous power per unit solid angle emitted by a point light source in a particular direction. Luminous intensity is analogous to radiant intensity, but instead of simply adding up the contributions of every wavelength of light in the source's spectrum, the contribution of each wavelength is weighted by the standard luminosity function (a model of the sensitivity of the human eye to different wavelengths)

Bulbs lettering
Vehicle bulbs have to be standardised in compliance with ECE-R37 or R99. This makes bulb replacement possible while at the same time avoiding mix-ups with other bulbs.

- Name of the manufacturer
- 6 or 6 V, 12 or 12 V, 24 or 24 V stands for the nominal voltage in compliance with ECE regulation 37.
- H1, H4, H7, P21 W stands for the international category description of ECE-standardised bulbs e.g. 55 W.
- E1 indicates which country the light source has been tested and approved in. "1" stands for Germany.
- "DOT" means that it is also approved for use on the American market.
- "U" stands for UV-reduced bulbs, according to ECE. The bulbs are used in headlights with plastic cover lenses, for example.
- The approval mark granted by the appropriate authorities e.g. E1 (Federal Department of Motor Vehicles in Flensburg) is inscribed on the bulb and is either 37 R (E1) + a five-digit number or only (E1) + a three-digit number (sometimes alphanumerical codes).
- Most bulbs have a coded manufacturer's mark. This makes traceability to the manufacturer possible.
- Since not all bulbs have enough room for the markings, the legislator prescribes only the following obligatory information: manufacturer, capacity, test mark and approval mark.

Tips for dealing with light sources
- Xenon headlights require high voltage for ignition, which is why the ballast voltage supply plug should always be removed before any work is carried out on the headlights.
- When replacing bulbs, never touch the new glass bulb since fingerprints will be burnt on and make the bulb opaque.
- If a xenon bulb breaks in a closed room (repair shop) the room should be ventilated to prevent a health hazard due to toxic gases. D3 and D4 xenon lamps do not contain mercury and are therefore more environmentally compatible.
- Standard filament and halogen bulbs do not contain any materials which are problematical from an environmental point of view and can be disposed of with normal household waste.

Type approval numbers on the headlight

National and international design and operating regulations apply for the manufacture and testing of vehicle lighting equipment. Special approval marks exist for headlights and can be found on the cover lens or on the housing. The following can be found on a cover lens **HC/R 25 E1 02 A 44457:**

- Code HC/R means: H for Halogen-, C for low beam and R for high beam.
- The slash between C and R means that low beam and high beam cannot be switched on simultaneously (H4 main headlights).
- The subsequent reference number provides information about the luminous intensity of the spotlight.
- The code E1 means that the headlight has been approved in Germany.
- 02 A indicates that there is a clearance light (parking light) (A) in the headlight, the regulations for which have been revised twice (02) since publication.
- The five-digit number at the end is the type approval number which is assigned individually for every headlight design approval.

Help in deciphering the combinations of numbers and letters on headlights

ECE regulation 1

A Clearance light	R High beam
B Fog light	CR High and low beam
C Low beam	C/R High or low beam

ECE regulation 8, 20 (H4 only)

HC Halogen low beam
HC Halogen high and low beam
HC/R Halogen high or low beam

ECE regulation 98

DC Xenon low beam
DR Xenon high beam
DC/R Xenon high or low beam
Simultaneous operation is prohibited.

IP PROTECTION CATEGORY

What does IP protection category mean?

IP stands for International Protection. The IP protection categories are determined according to DIN 40 050, Part 9. The purpose of the standard is the exact definition of electrical vehicle equipment against the penetration of solid materials including dust and against water penetration. The different degrees of protection important for signalling systems are explained below.

Protective category IP 5K4K

Dust may only penetrate to the extent that function and safety are not impaired. Water that is sprayed from every direction at increased pressure against the housing must not have any damaging effect: water pressure approx. 4 bar.

Protection class IP 9K

Water that is directed from high-pressure / steam-cleaning equipment onto the housing must not have any damaging effect: water pressure approx. 80 – 100 bar.

Protection class IP 6K7

Dust must not penetrate. No water may penetrate, even if the device is submersed for some time. HELLA products meet the highest requirements and are ideally protected against all kinds of weather conditions.